

STR-DB795

SERVICE MANUAL

Ver 1.0 2004.10

AEP Model
UK Model
E Model
Australian Model



This receiver incorporates Dolby* Digital and Pro Logic Surround and the DTS** Digital Surround System.

* Manufactured under license from Dolby Laboratories.

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** "DTS" and "DTS Digital Surround" are registered trademarks of Digital Theater Systems, Inc.

SPECIFICATIONS

Amplifier section

POWER OUTPUT

Models of area code AEP, UK, TW, KR, AUS

Rated Power Output at Stereo Mode

(8 ohms 1 kHz, THD 0.7%)

100 W + 100 W²⁾

90 W + 90 W³⁾

Reference Power Output²⁾

(8 ohms 20 Hz–20 kHz, THD 0.09%)

FRONT¹⁾: 90 W + 90 W

CENTER¹⁾: 90 W

SURR¹⁾: 90 W + 90 W

SURR BACK¹⁾: 90 W + 90 W

(8 ohms 1 kHz, THD 0.7%)

FRONT¹⁾: 100 W + 100 W

CENTER¹⁾: 100 W

SURR¹⁾: 100 W + 100 W

SURR BACK¹⁾: 100 W + 100 W

(8 ohms 1 kHz, THD 10%)

FRONT¹⁾: 110 W + 110 W

CENTER¹⁾: 110 W

SURR¹⁾: 110 W + 110 W

SURR BACK¹⁾: 110 W + 110 W

Models of area code SP, MY

Rated Power Output at Stereo Mode

(8 ohms 1 kHz, THD 0.7%)

90 W + 90 W²⁾

Reference Power Output²⁾

(8 ohms 1 kHz, THD 0.7%)

FRONT¹⁾: 90 W + 90 W

CENTER¹⁾: 90 W

SURR¹⁾: 90 W + 90 W

SURR BACK¹⁾: 90 W + 90 W

1) Depending on the sound field settings and the source, there may be no sound output.

2) Measured under the following conditions:

Area code	Power requirements
AEP, UK, SP, MY, KR	230 V AC, 50 Hz
AUS	240 V AC, 50 Hz
TW	110 V AC, 60 Hz

3) Measured under the following conditions:

Area code	Power requirements
KR	220 V AC, 50 Hz

Frequency response

PHONO	RIAA equalization curve ±0.5 dB
MULTI CH IN, SA-CD/ CD, MD/TAPE, DVD, TV/SAT, VIDEO 1, 2, 3	10 Hz – 100 kHz +0.5/–2 dB (when ANALOG DIRECT is selected)

Inputs (Analog)

PHONO	Sensitivity: 2.5 mV Impedance: 50 kilohms S/N ³⁾ : 86 dB (A, 2.5 mV ⁴⁾)
MULTI CH IN, SA-CD/ CD, MD/TAPE, DVD, TV/SAT, VIDEO 1, 2, 3	Sensitivity: 150 mV Impedance: 50 kilohms S/N ⁴⁾ : 96 dB (A, 150 mV ⁵⁾)

– Continued on next page –

FM STEREO FM/AM PECEIVER

STR-DB795

- 4) INPUT SHORT.
5) Weighted network, input level.

Inputs (Digital)	
DVD (Coaxial)	Impedance: 75 ohms S/N: 100 dB (A, 20 kHz LPF)
DVD, TV/SAT, MD, VIDEO3 (Optical)	S/N: 100 dB (A, 20 kHz LPF)
Outputs	
MD/TAPE (REC OUT), VIDEO 1, 2 (AUDIO OUT)	Voltage: 150 mV Impedance: 2.2 kilohms
SUB WOOFER	Voltage: 2 V Impedance: 1 kilohms
EQ	
Gain levels	±10 dB, 1 dB step

FM tuner section

Tuning range	87.5 - 108.0 MHz
Antenna	FM wire antenna
Antenna terminals	75 ohms, unbalanced
Intermediate frequency	10.7 MHz
Sensitivity	
Mono:	18.3 dBf, 2.2 μV/75 ohms
Stereo:	38.3 dBf, 22.5 μV/75 ohms
Useable sensitivity	11.2 dBf, 1 μV/75 ohms
S/N	
Mono:	76 dB
Stereo:	70 dB
Harmonic distortion at 1 kHz	
Mono:	0.3%
Stereo:	0.5%
Separation	45 dB at 1 kHz
Frequency response	30 Hz – 15 kHz, +0.5/−2 dB
Selectivity	60 dB at 400 kHz

AM tuner section

Tuning range	
Models of area code AEP, UK, SP, MY, TW, KR, AUS	
With 9-kHz tuning scale	531 – 1,602 kHz
Antenna	Loop antenna
Intermediate frequency	450 kHz
Usable sensitivity	50 dB/m (at 1,000 kHz or 999 kHz)
S/N	54 dB (at 50 mV/m)
Harmonic distortion	0.5% (50 mV/m, 400 Hz)
Selectivity	
At 9 kHz:	35 dB

Video section

Inputs/Outputs	
Video:	1 Vp-p, 75 ohms
S-video:	Y: 1 Vp-p, 75 ohms C: 0.286 Vp-p, 75 ohms
COMPONENT VIDEO:	Y: 1 Vp-p, 75 ohms B-Y: 0.7 Vp-p, 75 ohms R-Y: 0.7 Vp-p, 75 ohms 80 MHz HD Pass Through

General

Power requirements	
Area code	Power requirements
AEP, UK	230 V AC, 50/60 Hz
AUS	240 V AC, 50 Hz
SP, MY	220–230 V AC, 50/60 Hz
TW	110 V AC, 60 Hz
KR	220–230 V AC, 50/60 Hz
Power consumption	
Area code	Power consumption
AEP, UK, SP, MY, KR, AUS	270 W
TW	650 W

Power consumption (during standby mode)	0.3 W (when “POWER SAVE” in the CUSTOMIZE menu is set to “ON”)
Dimensions	430 × 161 × 400 mm including projecting parts and controls
Mass (Approx.)	14.5 kg

Supplied accessories

- FM wire antenna (1)
AM loop antenna (1)
Remote commander RM-PP413 (1)
R6 (size-AA) batteries (2)

Design and specifications are subject to change without notice.

- Abbreviation
AUS : Australian model
KR : Korean model
MY : Malaysia model
SP : Singapore model
TW : Taiwan model

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:

Check the antenna terminals, metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage.

Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes.).

Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The “limit” indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

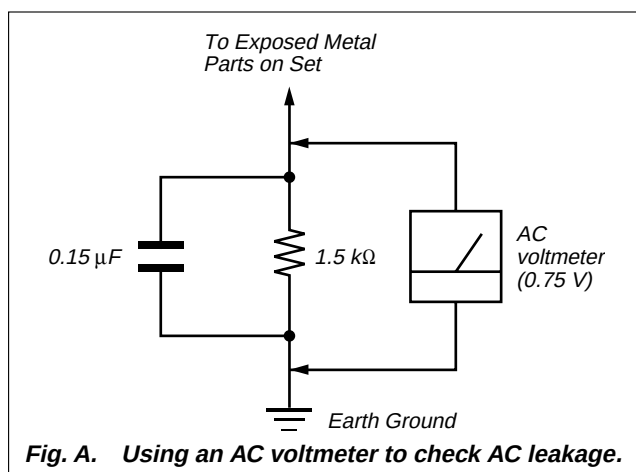


Fig. A. Using an AC voltmeter to check AC leakage.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK $\triangle$ OR DOTTED LINE WITH MARK $\triangle$ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

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SECTION 1
SERVICING NOTES

• MODEL IDENTIFICATION

– Back Panel –



Model	PART No.
AEP and UK models	4-050-932-0□
Singapore and Malaysia models	4-050-932-2□
Australian model	4-050-932-3□
Taiwan model	4-050-932-4□
Korean model	4-050-932-5□

UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)

LF : LEAD FREE MARK

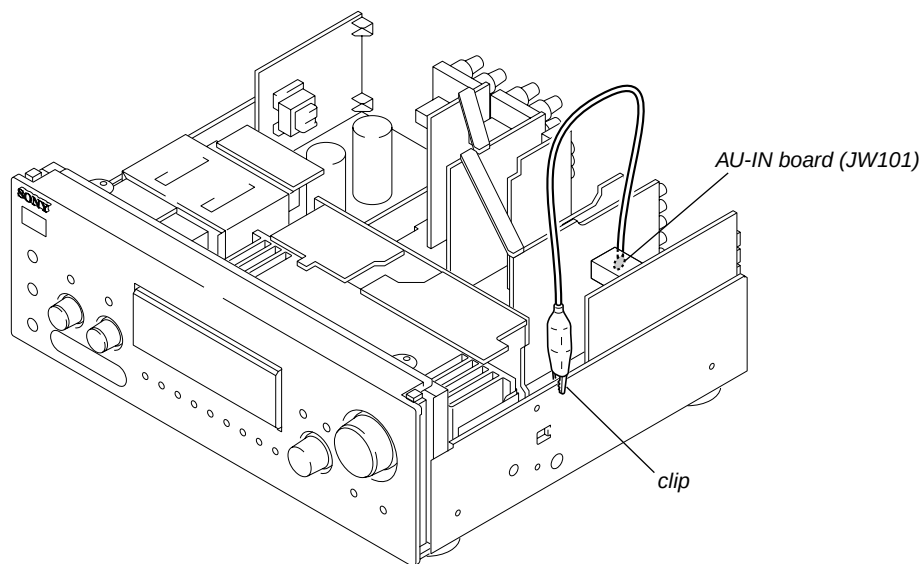
Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.
Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
Soldering irons using a temperature regulator should be set to about 350 °C.
Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

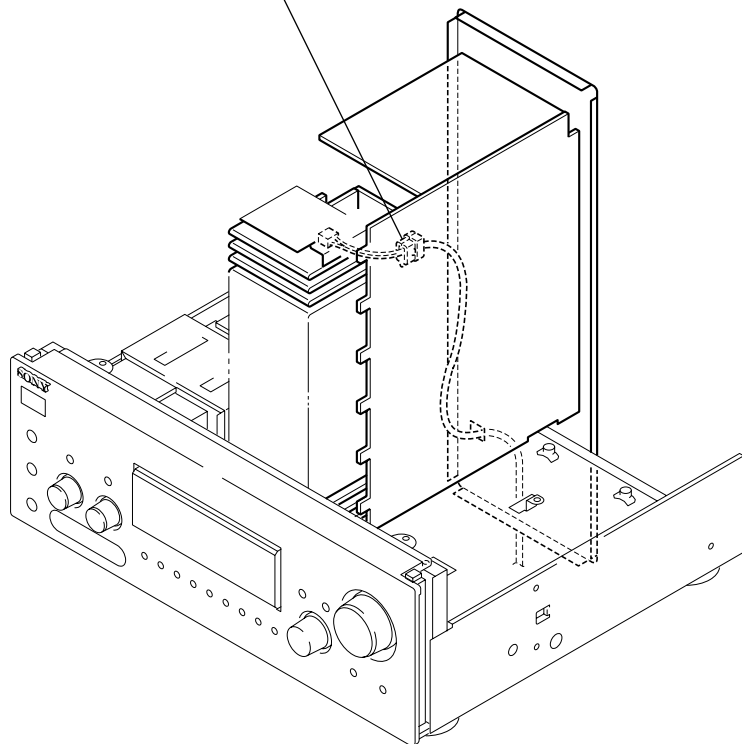
SERVICE POSITION

[Connecting the clip for GND]

When checking without back panel, it is necessary to connect the clip for GND to a chassis.



It is necessary to remove cord bushing from back panel.



SECTION 2 GENERAL

This section is extracted from instruction manual.

Main unit

ALPHABETICAL ORDER

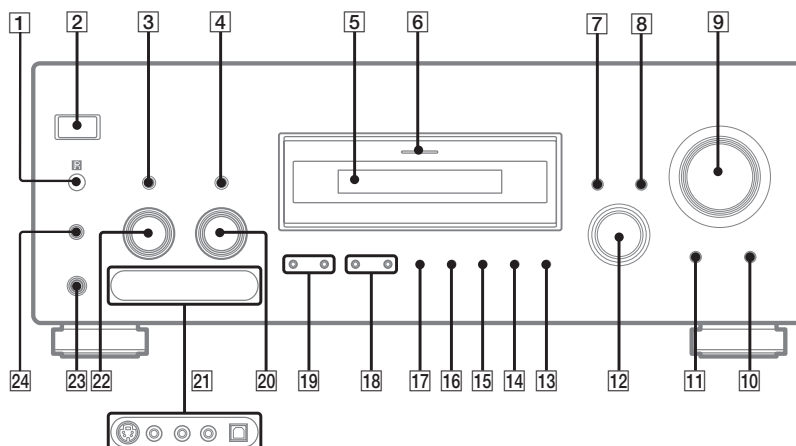
A.F.D. **[15]**
DIRECT **[10]**
DISPLAY **[7]**
Display **[5]**

INPUT MODE **[8]**
INPUT SELECTOR **[12]**
IR receptor **[1]**
MAIN MENU **[3]**
MASTER VOLUME +/- **[9]**
MEMORY/ENTER **[4]**
MENU **[22]**
MOVIE **[14]**
MULTI CHANNEL DECODING indicator **[6]**
MULTI CH IN **[11]**
MUSIC **[13]**

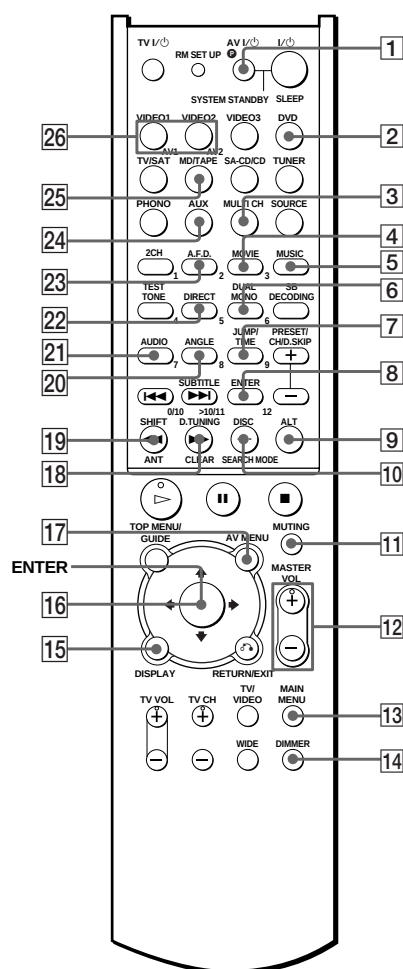
PHONES jack **[23]**
PRESET TUNING +/- **[19]**
SPEAKERS (OFF/A/B/A+B) **[24]**
SURR BACK DECODING **[17]**
TUNING +/- **[18]**
VIDEO 3 INPUT jacks **[21]**

NUMBERS AND SYMBOLS

2CH **[16]**
-/+ **[20]**
I/⏻ (power) **[2]**



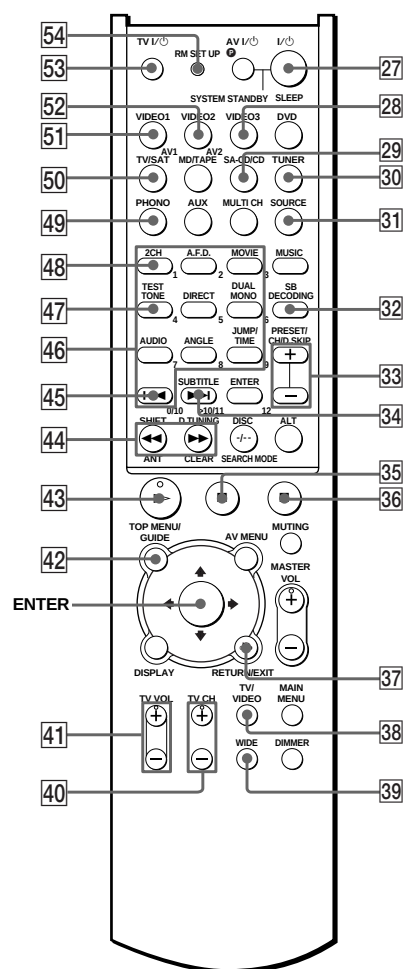
Remote Commander (RM-PP413)



The tables below show the settings of each button.

Remote Button	Operations	Function
A.F.D. [23]	Receiver	Selects the decoding mode for audio sound.
ALT [9]	Remote	When ALT button lights up, it changes the remote key function to activate those buttons with orange printing.
ANGLE [20]	DVD player	Selects viewing angle or changes the angles.
ANT [19]	VCR	Selects output signal from the antenna terminal: TV signal or VCR program.
AUDIO [21]	TV/VCR/ DVD player	Changes the sound to Multiplex, Bilingual or Multi channel TV Sound.
AUX [24]	Receiver	To listen to an audio equipment.
AV MENU [17]	VCR/ Satellite tuner/ DVD player	Displays menu.
AV1 and AV2 [26]	Remote	Selects the command mode of the remote.
AV I/⏻ [1]	TV/VCR/ CD player/ VCD player/ LD player/ DVD player/ MD deck/ DAT deck	Turns the audio and video components on or off.
CLEAR [18]	CD player/ DVD player	Clears a mistake when you press the incorrect numeric buttons or returns to continuous playback etc.
DIMMER [14]	Receiver	Adjusts the brightness of the display.
DIRECT [22]	Receiver	Selects 2CH ANALOG DIRECT.
DISC [10]	CD player/ VCD player	Selects a disc directly (multi-disc changer only).

Remote Button	Operations	Function
DISPLAY [15]	TV/VCR/ VCD player/ LD player/ DVD player	Selects information displayed on the TV screen.
D.TUNING [18]	Receiver	Enters direct tuning mode.
DUAL MONO [6]	Receiver	Selects the language you want during digital broadcast.
DVD [2]	Receiver	To watch DVD.
ENTER [8]	TV/VCR/ satellite tuner/ LD player/ MD deck/ DAT deck/ Tape deck	After selecting a channel, disc or track using the numeric buttons, press to enter the value.
ENTER [16]	Receiver/ VCR/ Satellite tuner/ DVD player	Enters the selection.
JUMP/TIME [7]	Satellite tuner	Toggles between the previous and the current channels.
	CD player/ MD deck/ VCD player/ DVD player	Shows the time or displays the playing time of disc, etc.
MAIN MENU [13]	Receiver	Selects the menu of the receiver.
MASTER VOL +/- [12]	Receiver	Adjusts the master volume of the receiver.
MD/TAPE [25]	Receiver	To listen to Minidisc or audio tape.
MOVIE [4]	Receiver	Selects the pre-programmed sound fields for movie.
MULTI CH [3]	Receiver	Selects MULTI CH IN source.
MUSIC [5]	Receiver	Selects the pre-programmed sound fields for music.
MUTING [11]	Receiver	Mutes the sound from the receiver.



Remote Button	Operations	Function
PHONO 49	Receiver	To listen to turntable.
PRESET/CH/ 33	Receiver	Selects preset stations.
D.SKIP +/- 33	TV/VCR/ satellite tuner	Selects preset channels.
	CD player/ VCD player/ DVD player/ MD deck	Skips discs (multi-disc changer only).
RETURN/EXIT 37	VCD player/ LD player/ DVD player	Returns to the previous menu.
	Satellite tuner	Exits the menu.
RM SET UP 54	Remote	To set up the remote.
SA-CD/CD 29	Receiver	To listen to Super Audio CD or compact disc.
SB DECODING 32	Receiver	Selects the surround back decoding modes.
SEARCH MODE 10	DVD player	Selects searching mode. Press to select the unit for search (track, index, etc.)
SHIFT 19	Receiver	Selects a memory page for presetting radio stations or tuning to preset stations.
SLEEP 27	Receiver	Activates the sleep function and the duration which the receiver turns off automatically.
SOURCE 31	Remote	Selects 2ND AV output.
SUBTITLE 34	DVD player	Changes the subtitles.
SYSTEM STANDBY (Press AV 1 and I/⏻ 27 at the same time)	Receiver/ TV/VCR/ Satellite tuner/ CD player/ VCD player/ LD player/ DVD player/ MD deck/ DAT deck	Turns off the receiver and other Sony audio/ video components.
TEST TONE 47	Receiver	Outputs test tone.

Remote Button	Operations	Function
TOP MENU/ 42	DVD player	Displays DVD title.
GUIDE 42	Satellite tuner	Displays guide menu.
TUNER 30	Receiver	To listen to radio programs.
TV CH +/- 40	TV	Selects preset TV channels.
TV/SAT 50	Receiver	To watch TV programs or satellite receiver.
TV/VIDEO 38	TV	Selects input signal: TV input or video input.
TV VOL +/- 41	TV	Adjusts the volume of the TV.
TV I/⏻ 53	TV	Turns the TV on or off.
VIDEO1 51	Receiver	To watch VCR. (VTR mode 3)
VIDEO2 52	Receiver	To watch VCR. (VTR mode 1)
VIDEO3 28	Receiver	To watch VCR. (VTR mode 2)
WIDE 39	TV	Selects the wide picture mode.
1-9 and 0/10 46	Receiver	Use with SHIFT to preset radio station or tuning to preset stations and with D.TUNING for direct tuning.
	CD player/ VCD player/ LD player/ MD deck/ DAT deck	Selects track numbers. 0/10 selects track 10.
	TV/VCR/ Satellite tuner	Selects channel numbers.
2CH 48	Receiver	Selects 2CH STEREO mode.
>10/11 34	CD player/ VCD player/ LD player/ MD deck	Selects track numbers over 10.
-/-- 10	TV	Selects the channel entry mode, either one or two digit.

Remote Button	Operations	Function
I/⏻ 27	Receiver	Turns the receiver on or off.
⏮/⏭ 45 34	VCR/ CD player/ VCD player/ LD player/ DVD player/ MD deck/ DAT deck/ Tape deck	Skips tracks.
⏮/⏭ 44	CD player/ VCD player/ DVD player/ LD player/ MD deck	Searches tracks in the forward or backward direction.
	VCR/ DAT deck/ Tape deck	Fastforwards or rewinds.

Remote Button	Operations	Function
▶ 43	VCR/ CD player/ VCD player/ LD player/ DVD player/ MD deck/ DAT deck/ Tape deck	Starts playback.
⏸ 35	VCR/ CD player/ VCD player/ LD player/ DVD player/ MD deck/ DAT deck/ Tape deck	Pauses playback or recording. (Also starts recording with components in recording standby.)
■ 36	VCR/ CD player/ VCD player/ LD player/ DVD player/ MD deck/ DAT deck/ Tape deck	Stops playback.

Remote Button	Operations	Function
⏪ 37	VCD player/ LD player/ DVD player	Returns to the previous menu or exits the menu.
⬆/⬇ 16	Receiver	Selects a menu item.
⬅/➡ 16	Receiver	Adjusts or changes the setting.
⬆/⬇/⬅/➡ 16	VCR/ Satellite tuner/ DVD player	Selects a menu item.

Notes

Some functions explained in this section may not work depending on the model.

The above explanation is intended to serve as an example only. Therefore, depending on the component the above operation may not be possible or may operate differently than described.

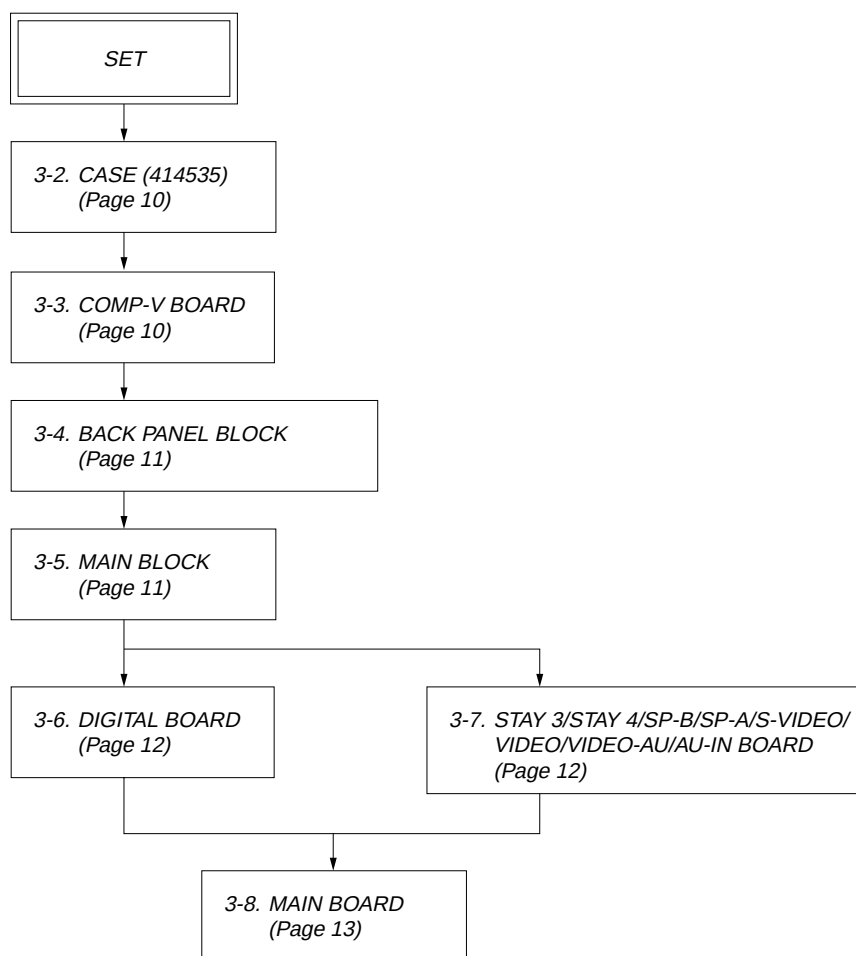
To activate the buttons with orange printing, press ALT first before pressing the buttons.

The SOURCE button on the remote is not available for receiver operation.

SECTION 3 DISASSEMBLY

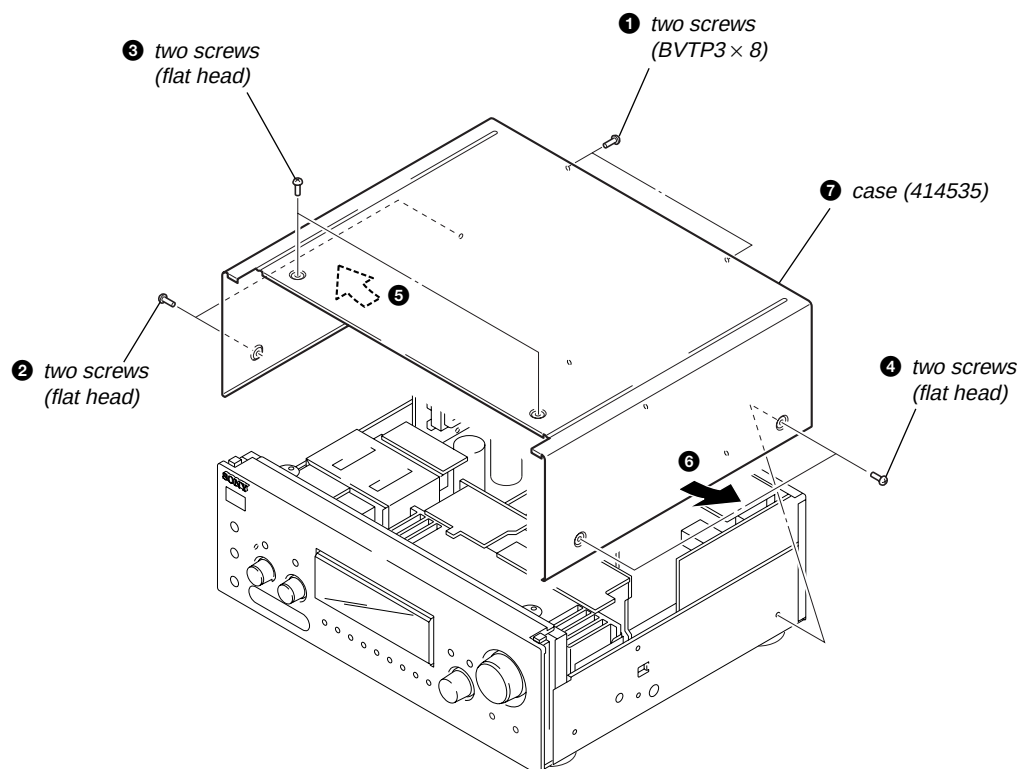
- This set can be disassembled in the order shown below.

3-1. DISASSEMBLY FLOW

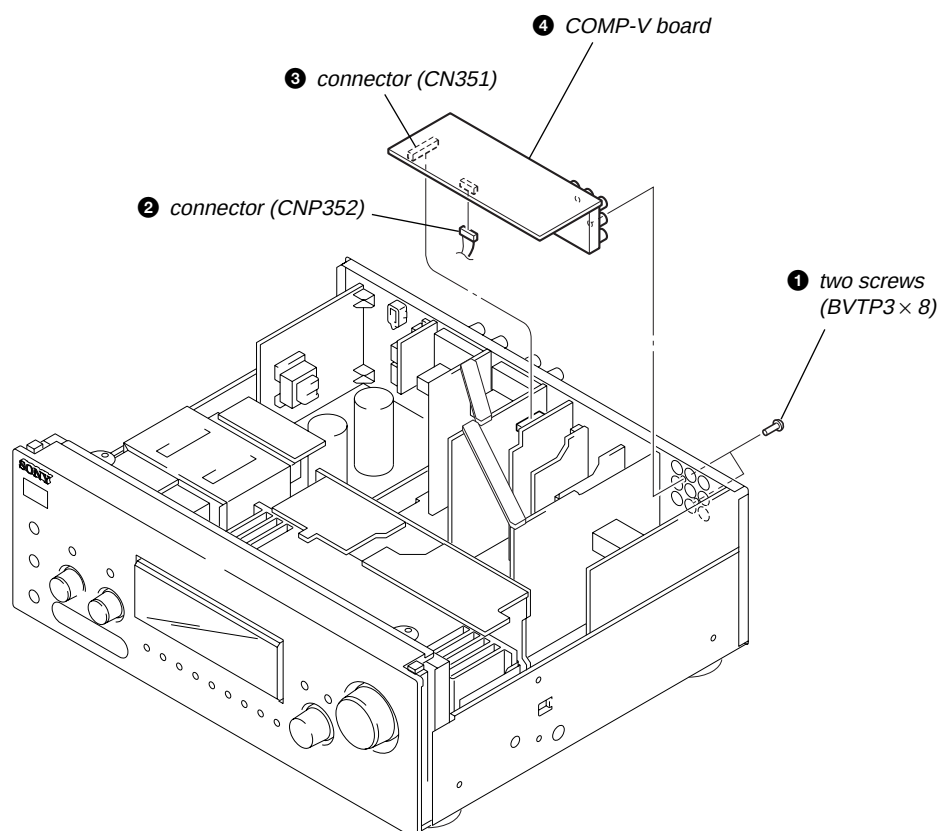


Note: Follow the disassembly procedure in the numerical order given.

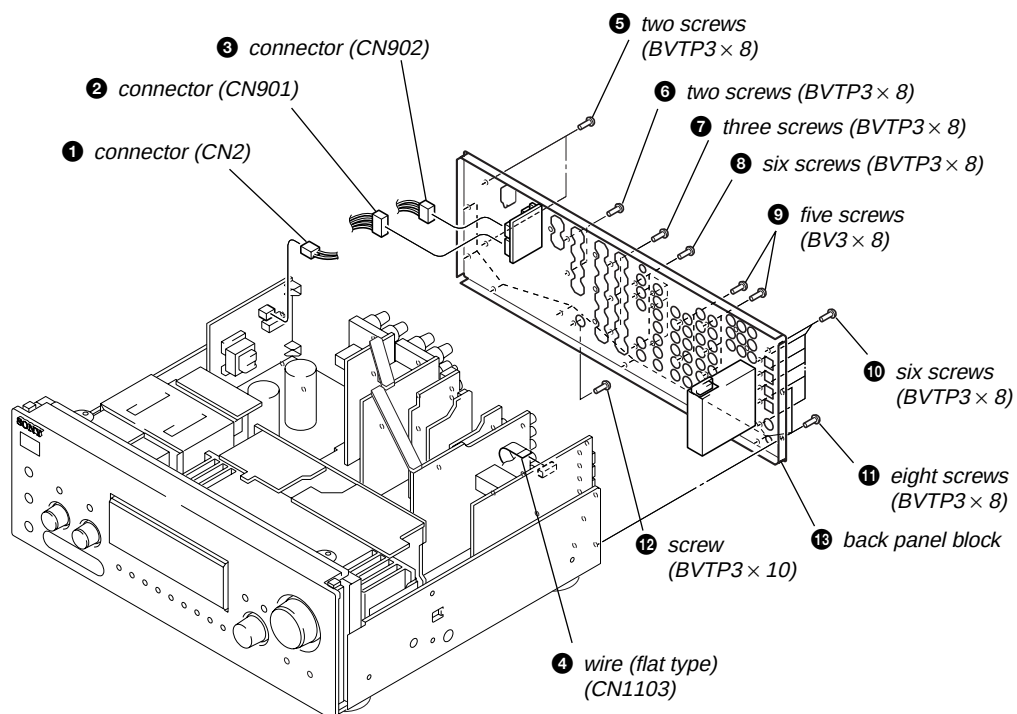
3-2. CASE (414535)



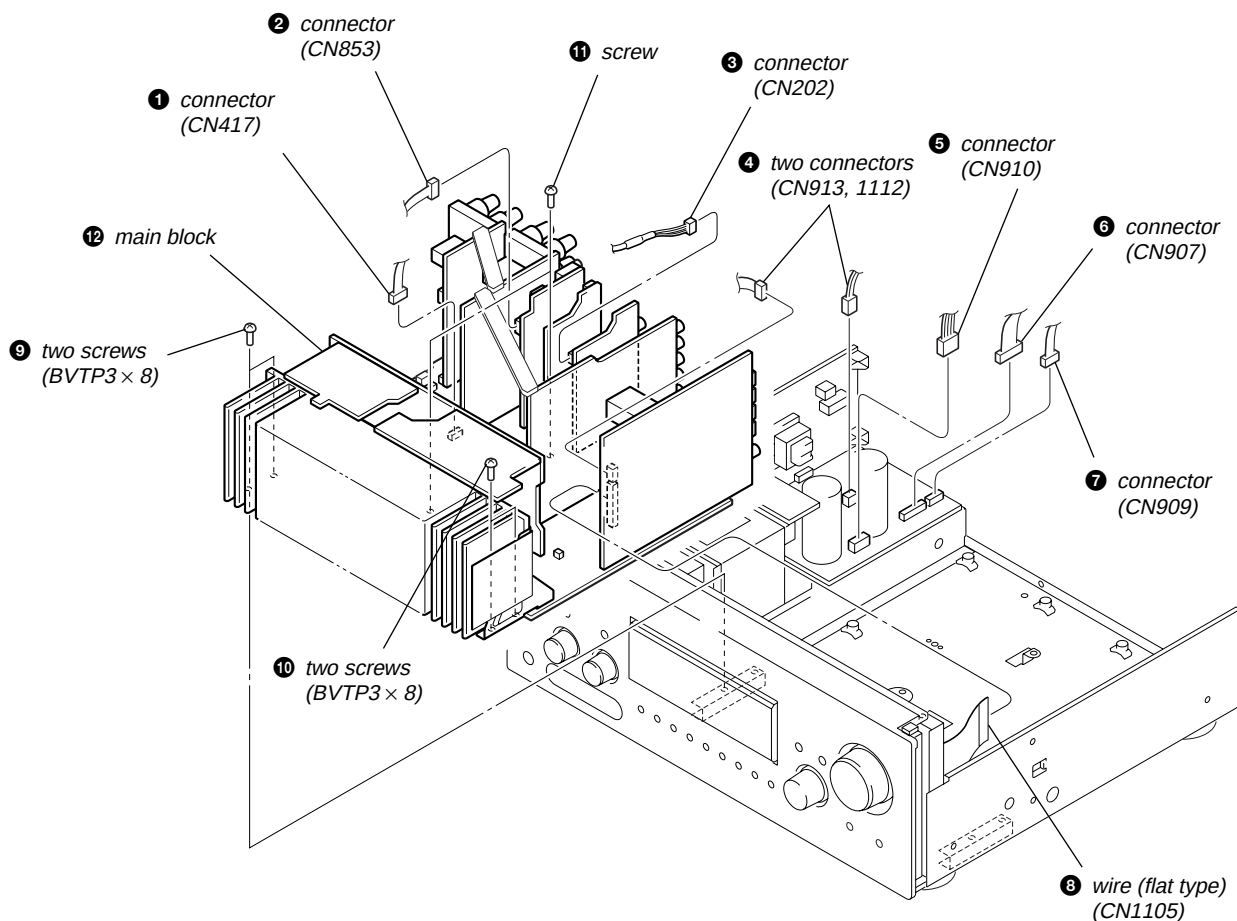
3-3. COMP-V BOARD



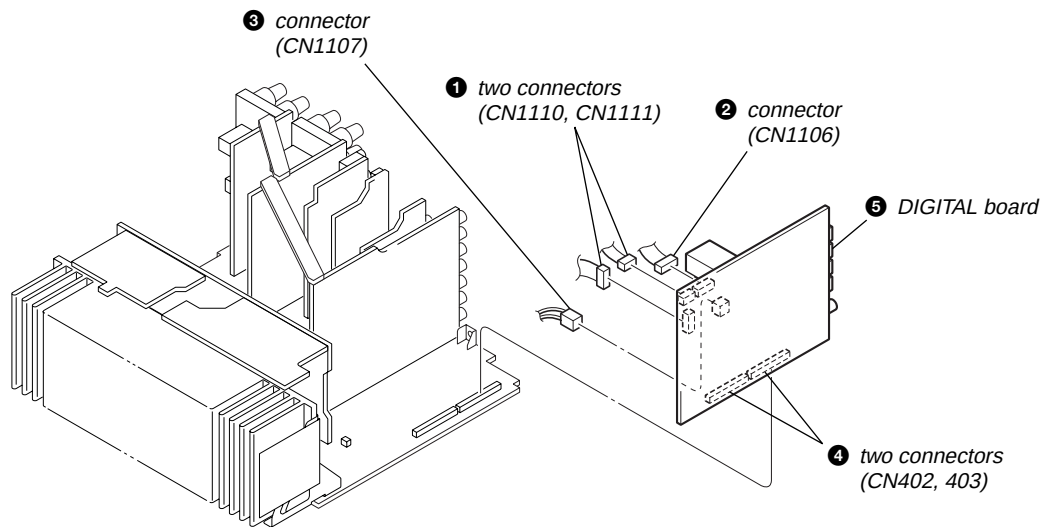
3-4. BACK PANEL BLOCK



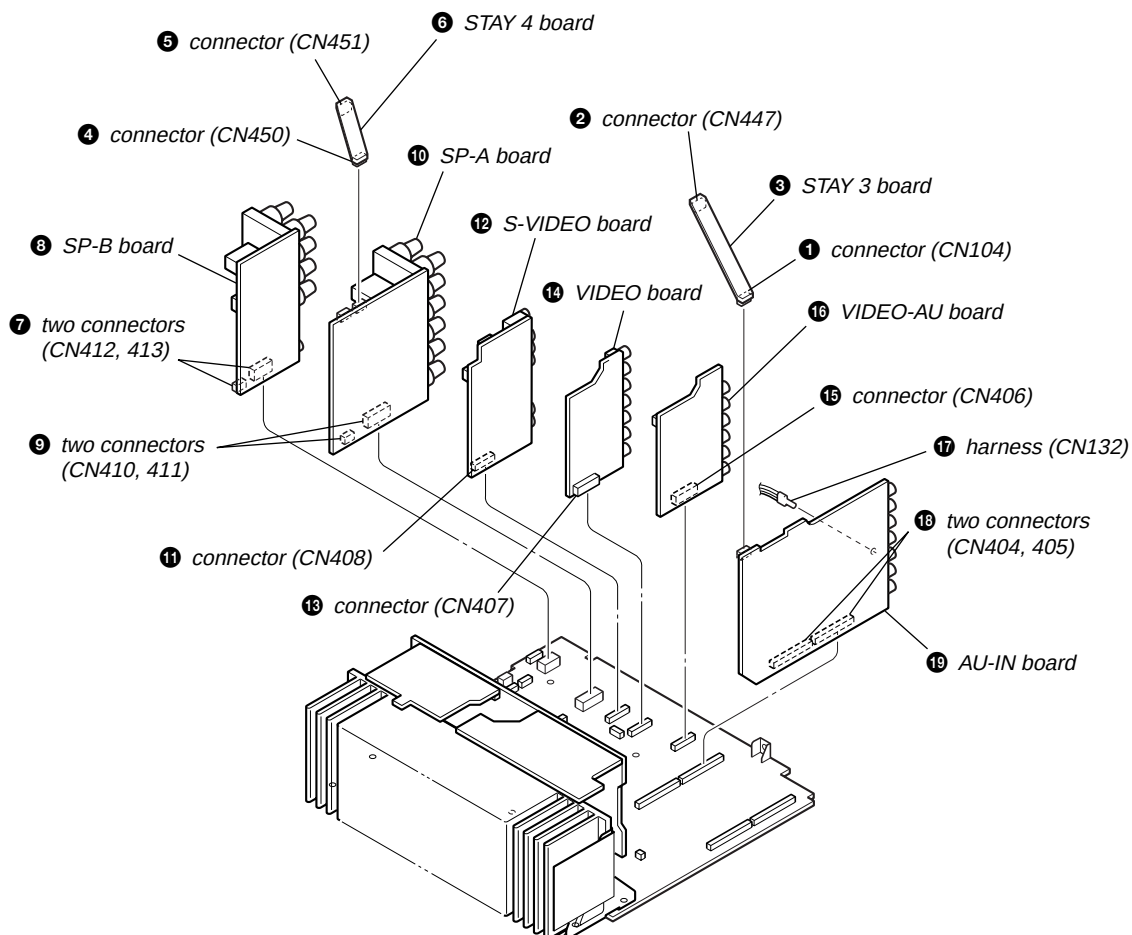
3-5. MAIN BLOCK

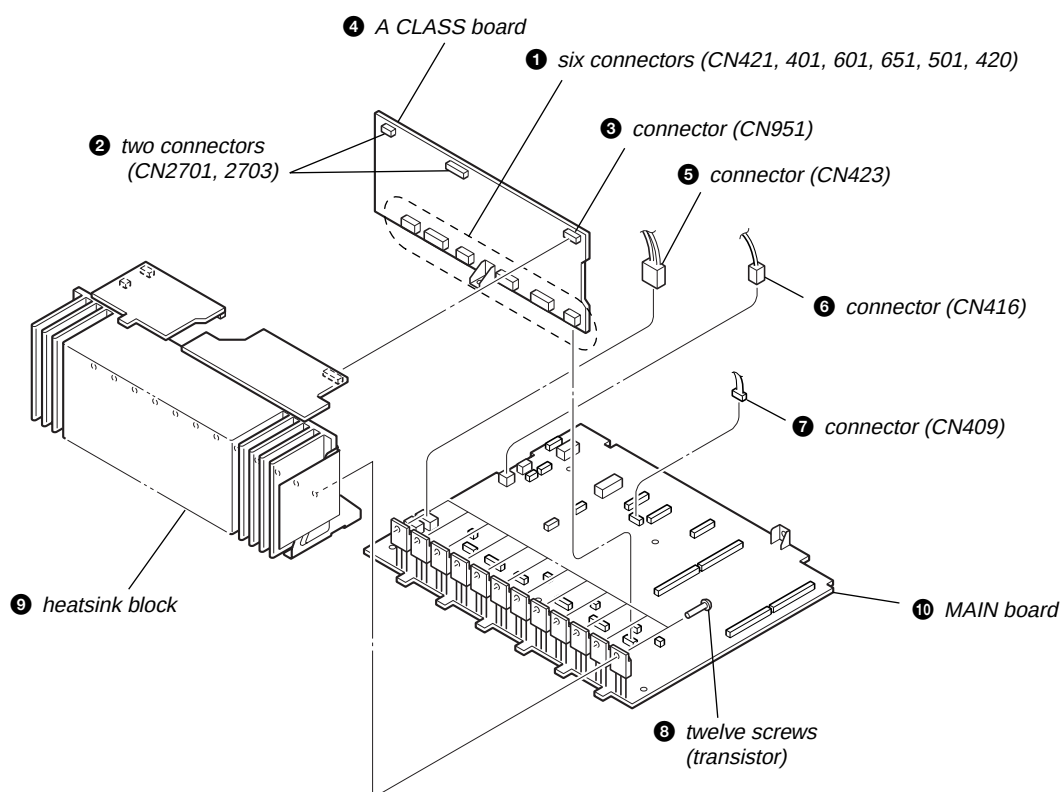


3-6. DIGITAL BOARD



3-7. STAY 3/STAY 4/SP-B/SP-A/S-VIDEO/VIDEO/VIDEO-AU/AU-IN BOARD



3-8. MAIN BOARD

SECTION 4

TEST MODE

TUNER FACTORY PRESET MODE

All preset contents are reset to the default setting.

Procedure:

1. While pressing the **[MUSIC]** and **[PRESET TUNING -]** buttons, press the **[I/⏻]** button to turn on the main power.
2. The message "FACTORY" appears and the present contents are reset to the default values.

TUNER AM STEP CHANGE (9 kHz/10 kHz) MODE

Either the 9 kHz step or 10 kHz step can be selected for the AM channel step.

Procedure:

1. Press the **[I/⏻]** button to turn on the main power.
2. Turn the **[INPUT SELECTOR]** dial to select the "AM"
3. Press the **[I/⏻]** button to turn off the main power.
4. While pressing the **[PRESET TUNING +]** or **[TUNING +]** button, press the **[I/⏻]** button to turn on the main power.
5. Either the message "9 K STEP" or "10 K STEP" appears. Select the desired step.

TUNER AUTOBETICAL TUNING MODE (AEP and UK models)

Procedure:

1. While pressing the **[MEMORY/ENTER]** button, press the **[I/⏻]** button to turn on the main power.
2. The message "AUTO-BETICAL SELECT" appears and scans and stores all the FM and FM RDS stations in the broadcast area.
3. When done, the message "FINISH" appears.

SOUND FIELD CLEAR MODE

The preset sound field is cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

Procedure:

1. While pressing the **[2CH]** button, press the **[I/⏻]** button to turn on the main power.
2. The message "SF. CLR." appears and initialization is performed.

FLUORESCENT INDICATOR TUBE PATTERN CHECK MODE

All fluorescent segments are tested. When this test is activated, all segments turn on at the same time, then each segment turns on one after another.

Procedure:

1. While pressing the **[PRESET TUNING -]** and **[A.F.D.]** buttons, press the **[I/⏻]** button to turn on the main power.
2. All segments and **[MULTI CHANNEL DECODING]** indicator LED turn on.

SHIPMENT MODE

All preset contents are cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

Procedure:

1. While pressing the **[PRESET TUNING -]** and **[SURR BACK DECODING]** buttons, press the **[I/⏻]** button to turn on the main power.
2. The message "CLEARING" appears and memories are reset to the default values and the main power turn off automatically.

SWAP ALL MODE

Procedure:

1. While pressing the **[PRESET TUNING +]** and **[A.F.D.]** buttons, press the **[I/⏻]** button to turn on the main power.
2. The message "SWAP" appears.

COMMAND MODE CHANGE MODE

The command mode of the remote-commander which this set receives can be changed.

Procedure:

1. While pressing the **[INPUT MODE]** buttons, press the **[I/⏻]** button to turn the main power.
2. Either the message "C.MODE.AV1" or "C.MODE.AV2" appears. Select the desired mode.

VERSION CHECK MODE

The version of the micro computer displayed.

Procedure:

1. While pressing the **[PRESET TUNING -]** and **[2CH]** buttons, press the **[I/⏻]** button to turn the main power.
2. The version of the micro computer and model destination are displayed.

DECODE AUTO ALL MODE

Procedure:

1. While pressing the **[PRESET TUNING -]** and **[MOVIE]** buttons, press the **[I/⏻]** button to turn the main power.
2. The message "DEC TEST" appears.

PROTECTOR AUTO OFF

When this mode is used, a protector on state is maintainable.

Procedure:

1. While pressing the **[PRESET TUNING +]** and **[MOVIE]** buttons, press the **[I/⏻]** button to turn on the main power.
2. The message "PROT EVER" appears.

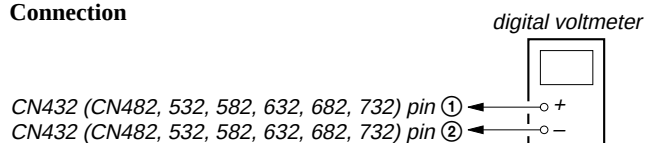
SECTION 5 ELECTRICAL ADJUSTMENTS

BIAS ADJUSTMENT

Condition:

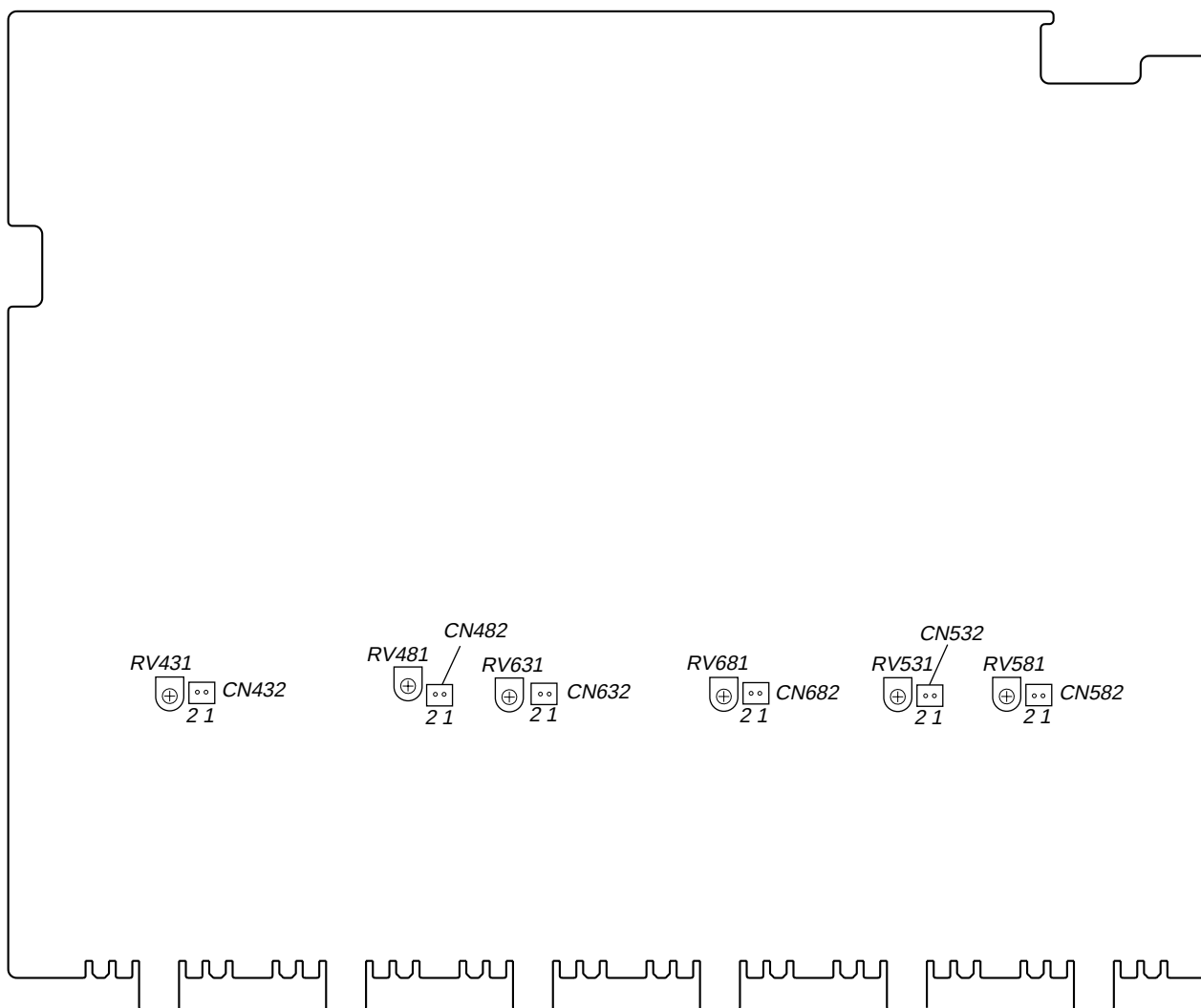
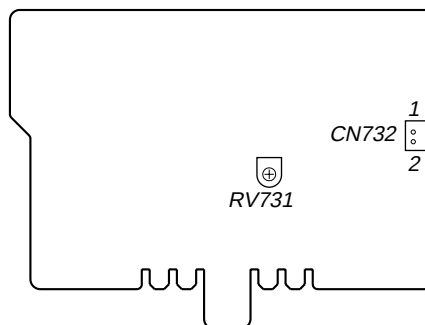
input signal: no signal (no load)

volume: minimum

Connection

Procedure:

1. Connect a digital voltmeter to the CN432 (CN482, CN532, CN582, CN632, CN682) on the MAIN board or CN732 on the SBL board.
2. Press the  button to turn on the main power.
3. Adjust the RV431 (RV481, RV531, RV581, RV631, RV681) on the MAIN board or RV731 on the SBL board so that the digital voltmeter reading is 15 ± 2 mV.

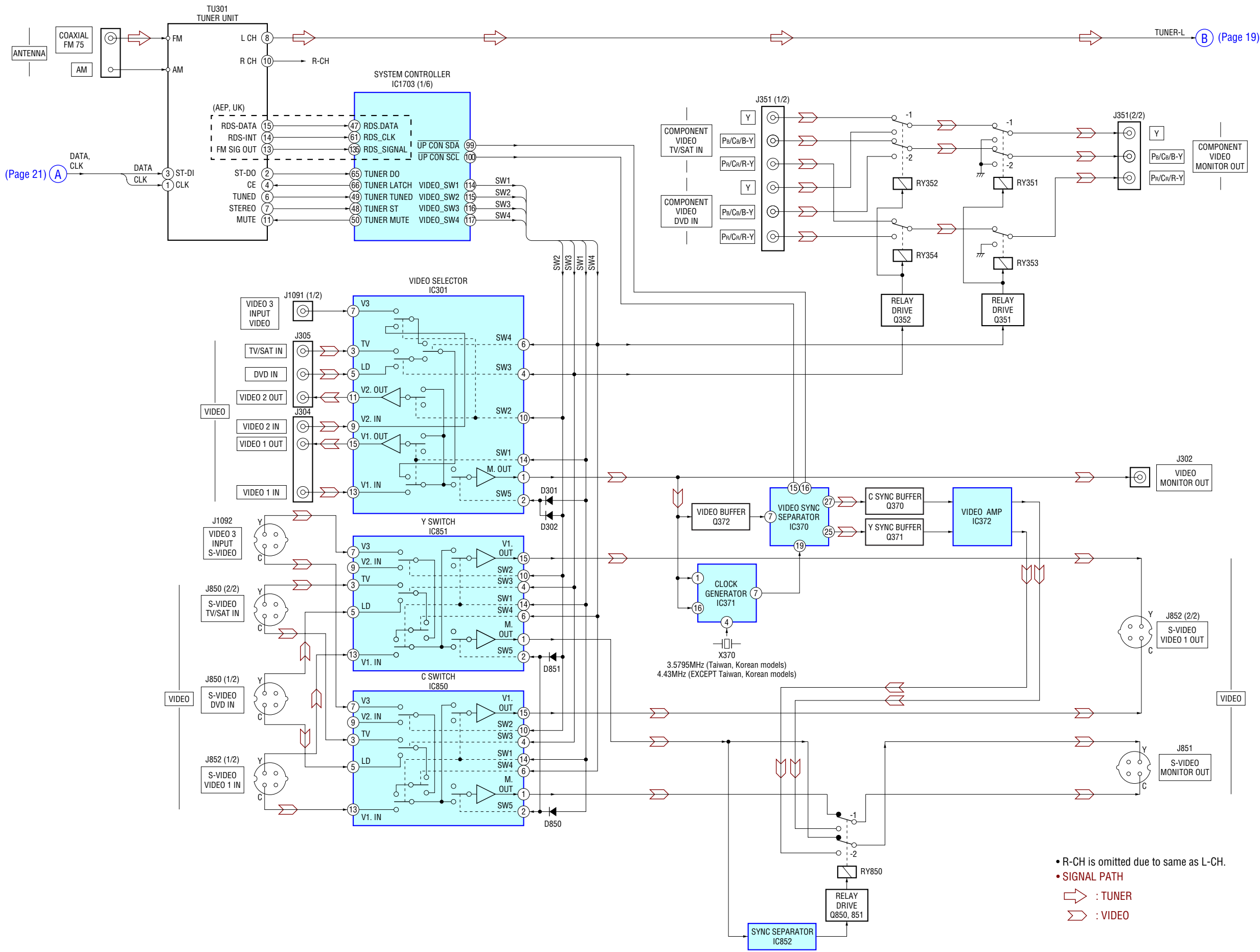
Note: When the adjusting voltage is higher than 15 ± 2 mV, adjust the voltage to the minimum voltage.

Adjustment and Connection Location:
– MAIN BOARD (Component Side) –

– SBL BOARD (Component Side) –


MEMO

SECTION 6
DIAGRAMS

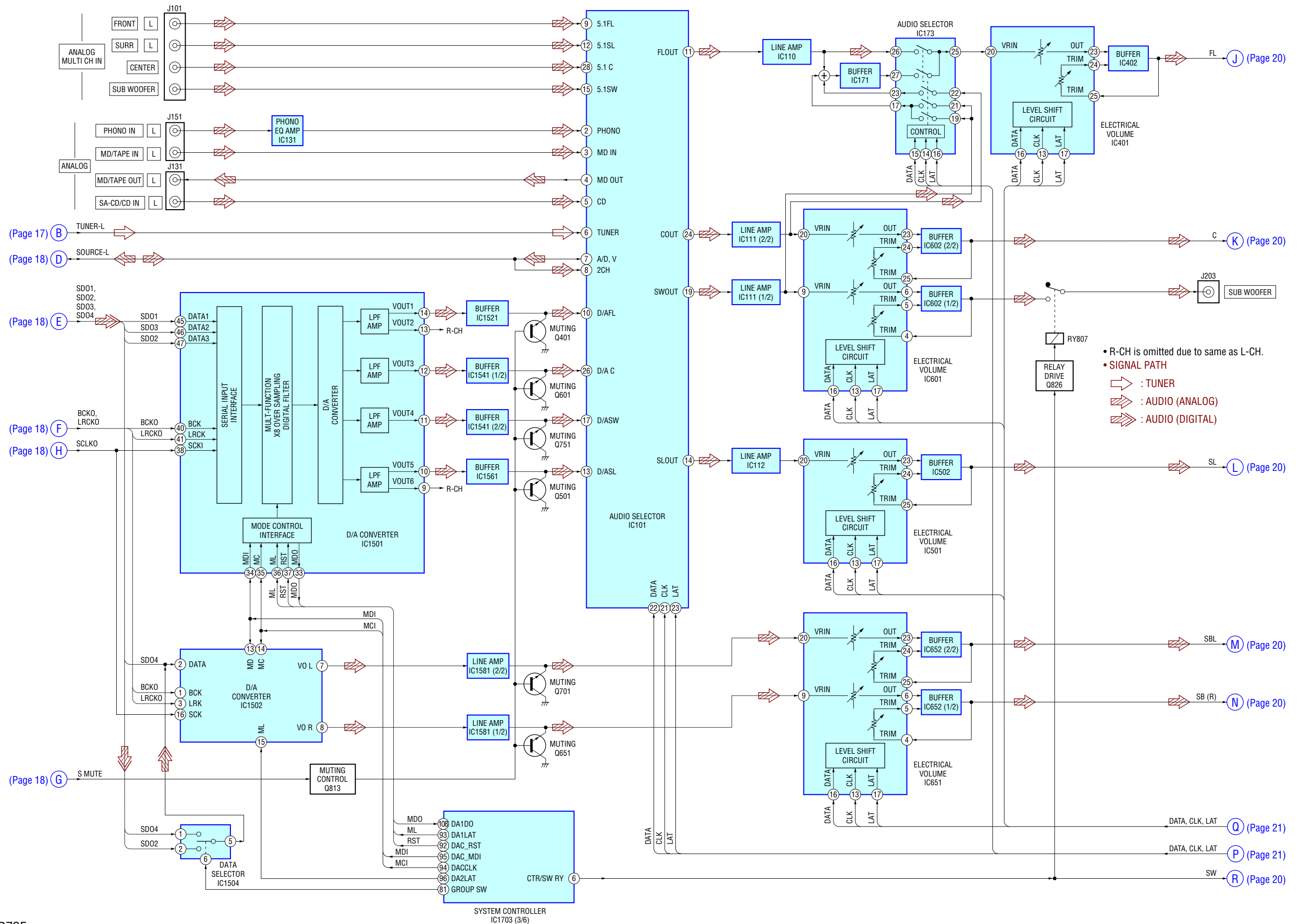
6-1. BLOCK DIAGRAM – TUNER/VIDEO Section –



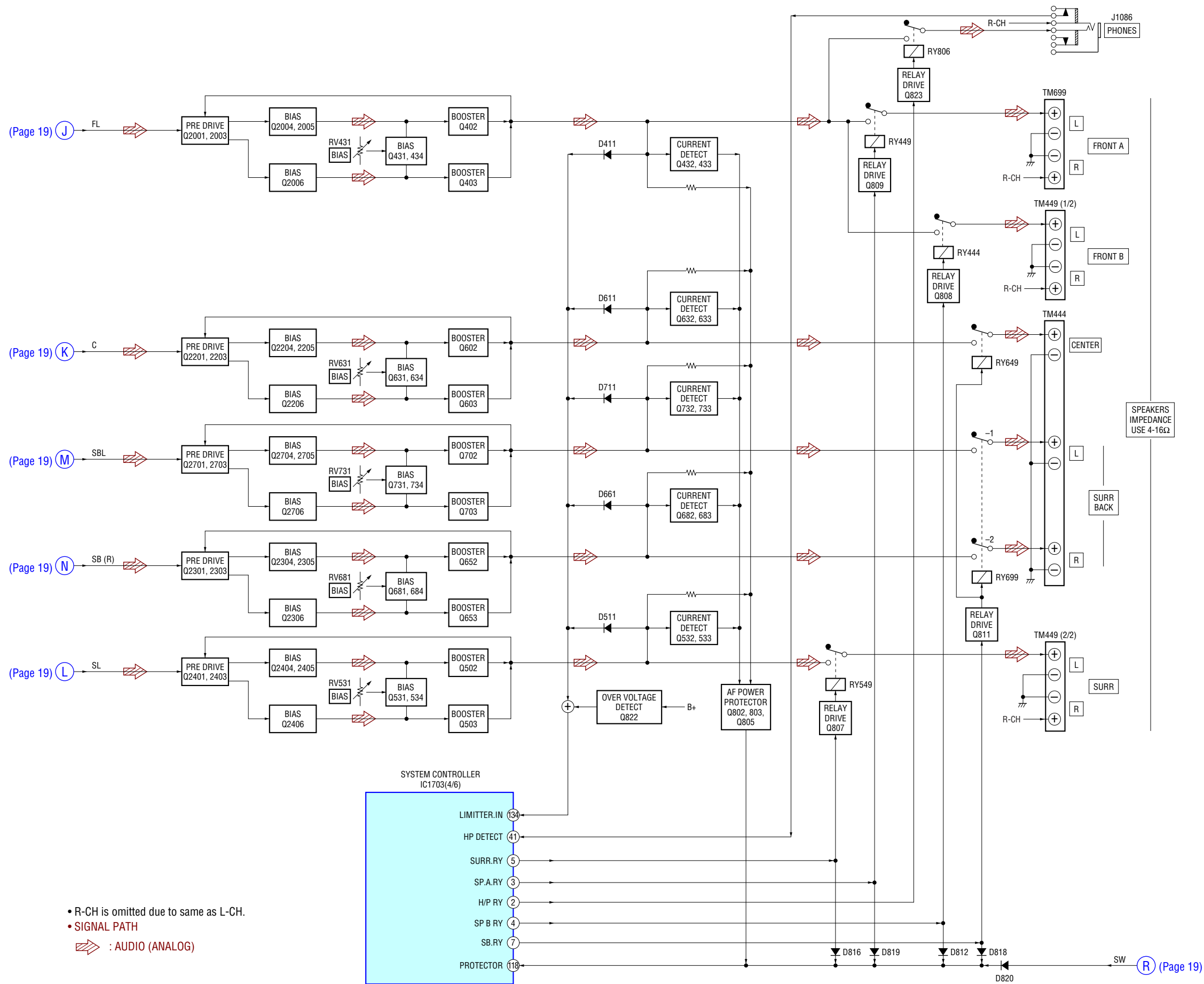
18 18



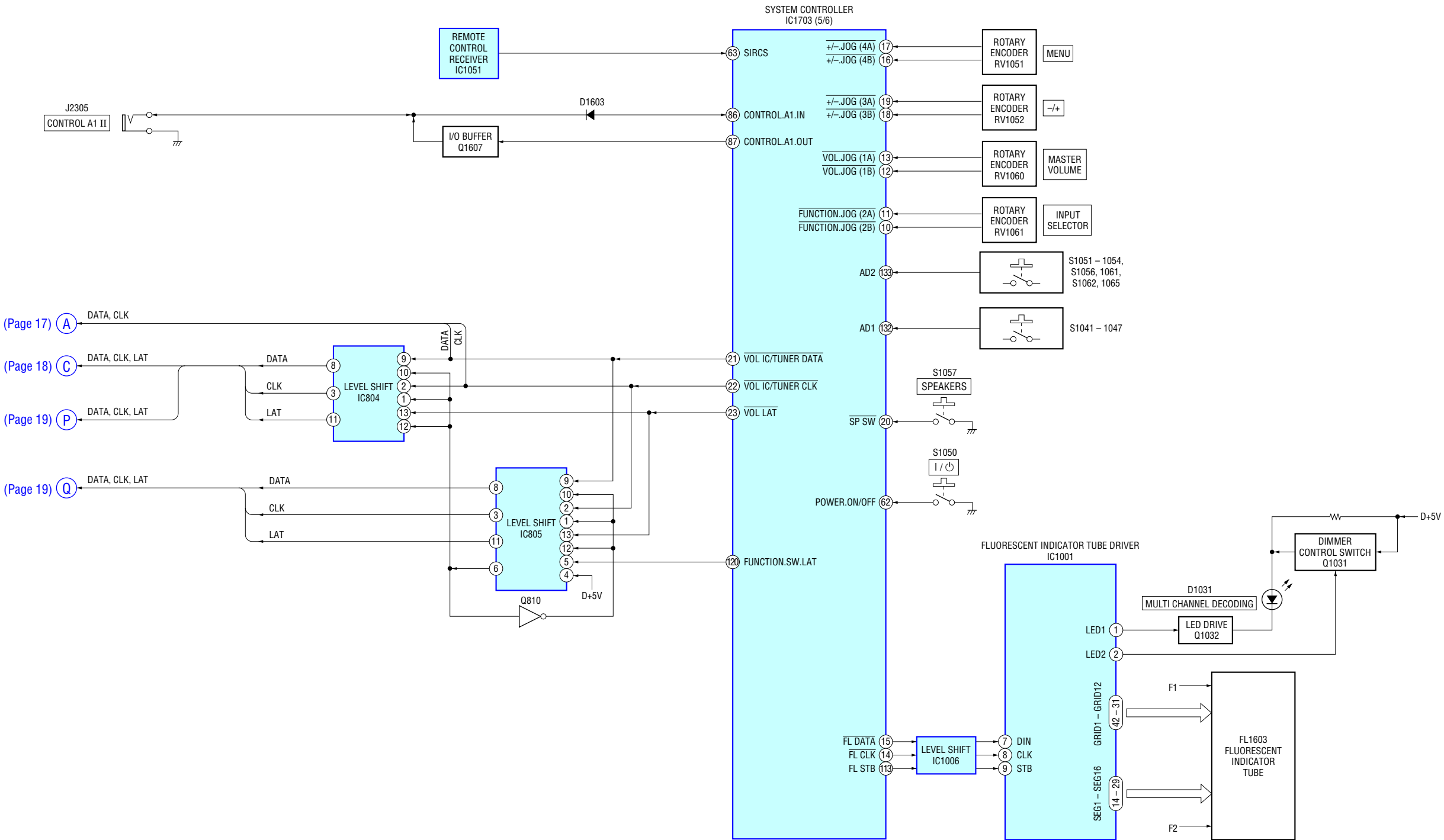
6-3. BLOCK DIAGRAM – AUDIO CONTROL Section –



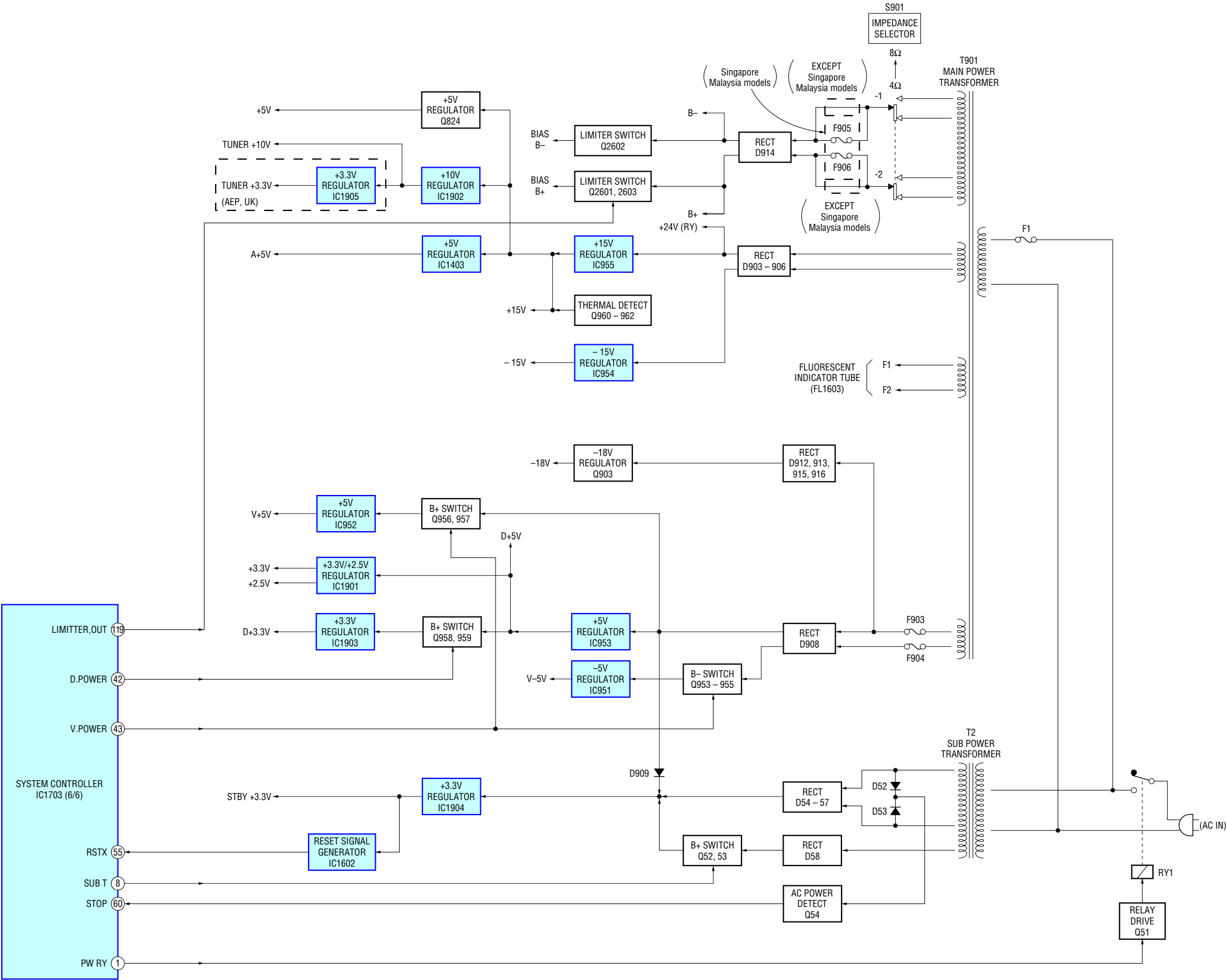
6-4. BLOCK DIAGRAM – AUDIO AMP Section –



6-5. BLOCK DIAGRAM – DISPLAY/KEY CONTROL Section –



6-6. BLOCK DIAGRAM – POWER SUPPLY Section –



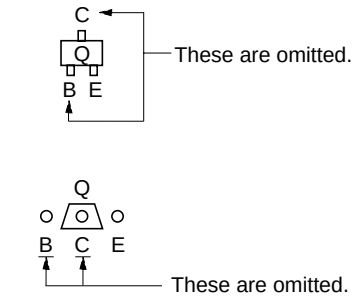
• Note for Printed Wiring Boards and Schematic Diagrams

Note on Printed Wiring Board:

- — : parts extracted from the component side.
- : parts extracted from the conductor side.
- : Pattern from the side which enables seeing.
(The other layers' patterns are not indicated.)

Caution:
Pattern face side: Parts on the pattern face side seen from
(Conductor Side) the pattern face are indicated.
Parts face side: Parts on the parts face side seen from
(Component Side) the parts face are indicated.

• Indication of transistor



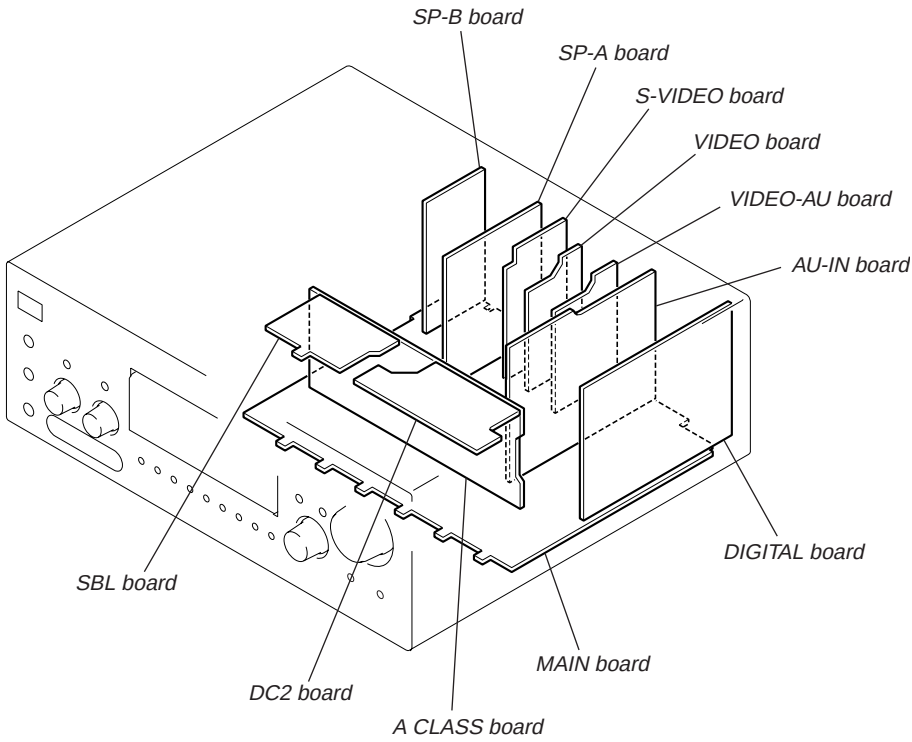
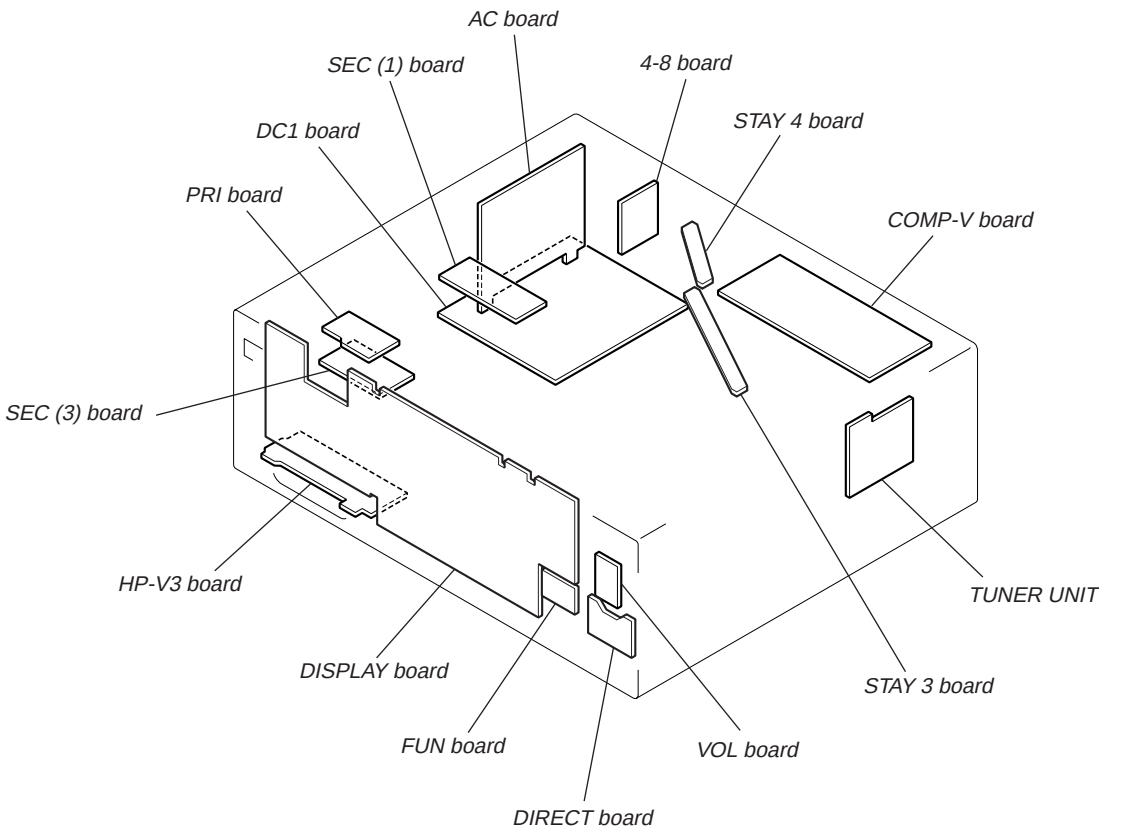
Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. (p: pF)
50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4} \text{ W}$ or less unless otherwise specified.
- Δ : internal component.
- $\text{---}\text{---}\text{---}$: nonflammable resistor.
- $\text{---}\text{---}\text{---}$: panel designation.

Note: The components identified by mark Δ or dotted line with mark Δ are critical for safety.
Replace only with part number specified.

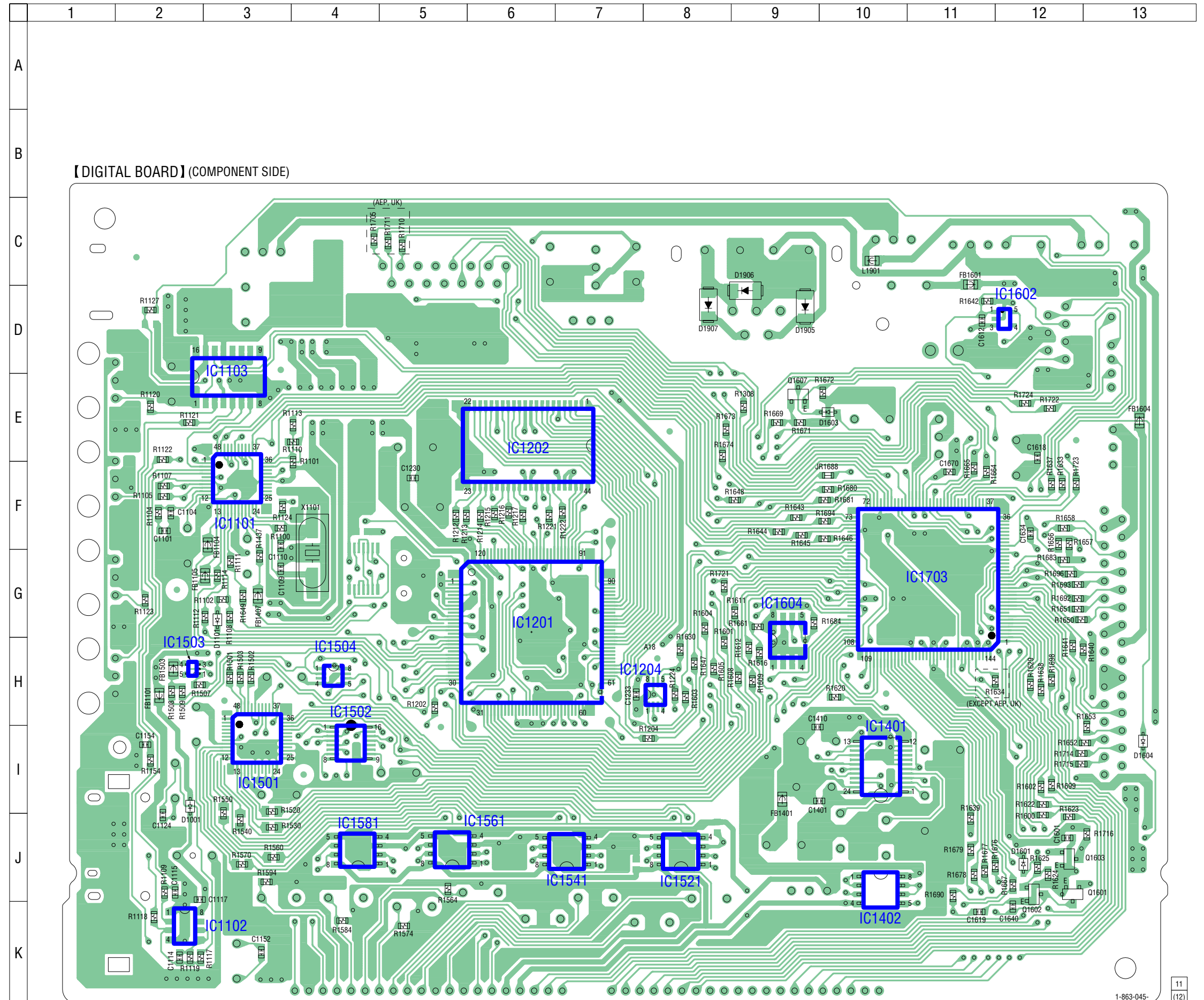
- --- : B+ Line.
- --- : B- Line.
- --- : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
no mark : TUNER
() : VIDEO 1
- Voltages are taken with a VOM (Input impedance 10 M Ω).
Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
 $\Rightarrow$: TUNER
 $\Rightarrow$: AUDIO (ANALOG)
 $\Rightarrow$: AUDIO (DIGITAL)
 $\Rightarrow$: VIDEO
- Abbreviation
AUS : Australian model
KR : Korean model
MY : Malaysia model
SP : Singapore model
TW : Taiwan model

• Circuit Boards Location

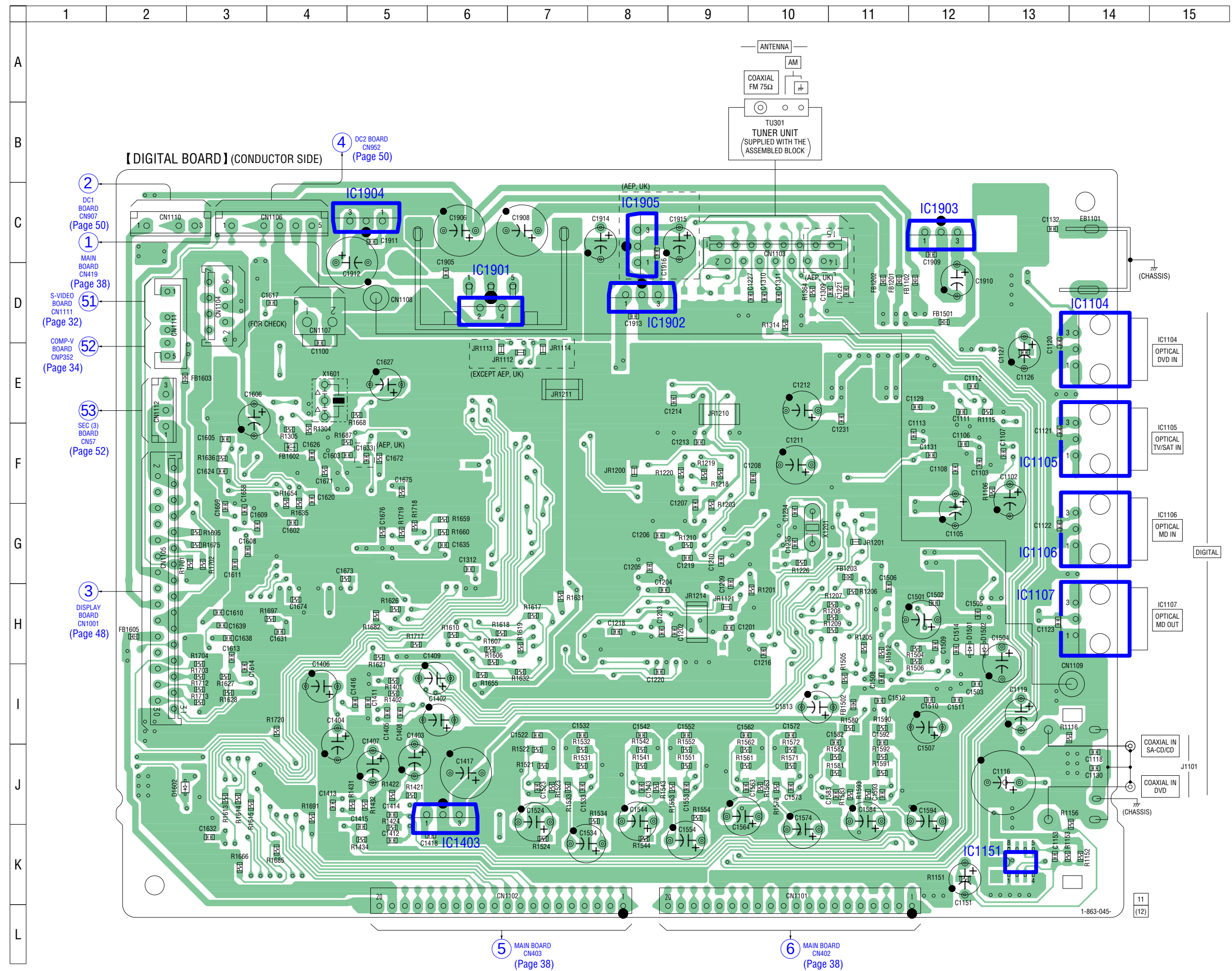


- **Semiconductor Location**

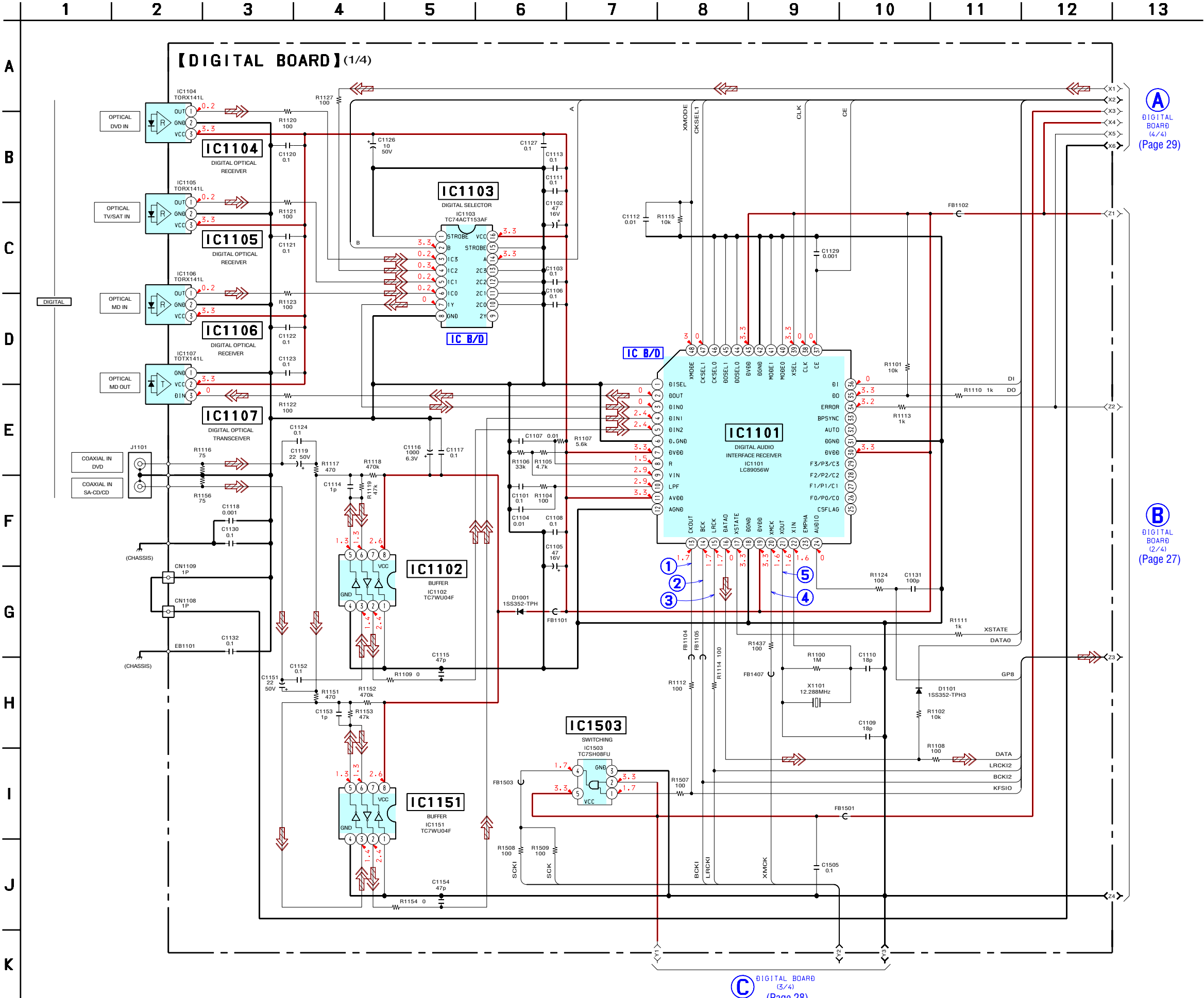
Ref. No.	Location
D1001	I-2
D1101	G-3
D1601	J-11
D1603	E-10
D1604	I-13
D1905	D-9
D1906	D-9
D1907	D-8
IC1101	F-3
IC1102	K-2
IC1103	E-3
IC1201	G-6
IC1202	E-6
IC1204	H-8
IC1401	I-10
IC1402	J-10
IC1501	I-3
IC1502	I-4
IC1503	H-2
IC1504	H-4
IC1521	J-8
IC1541	J-7
IC1561	J-5
IC1581	J-4
IC1602	D-12
IC1604	H-9
IC1703	G-11
Q1601	J-12
Q1602	J-12
Q1603	J-12
Q1607	E-9



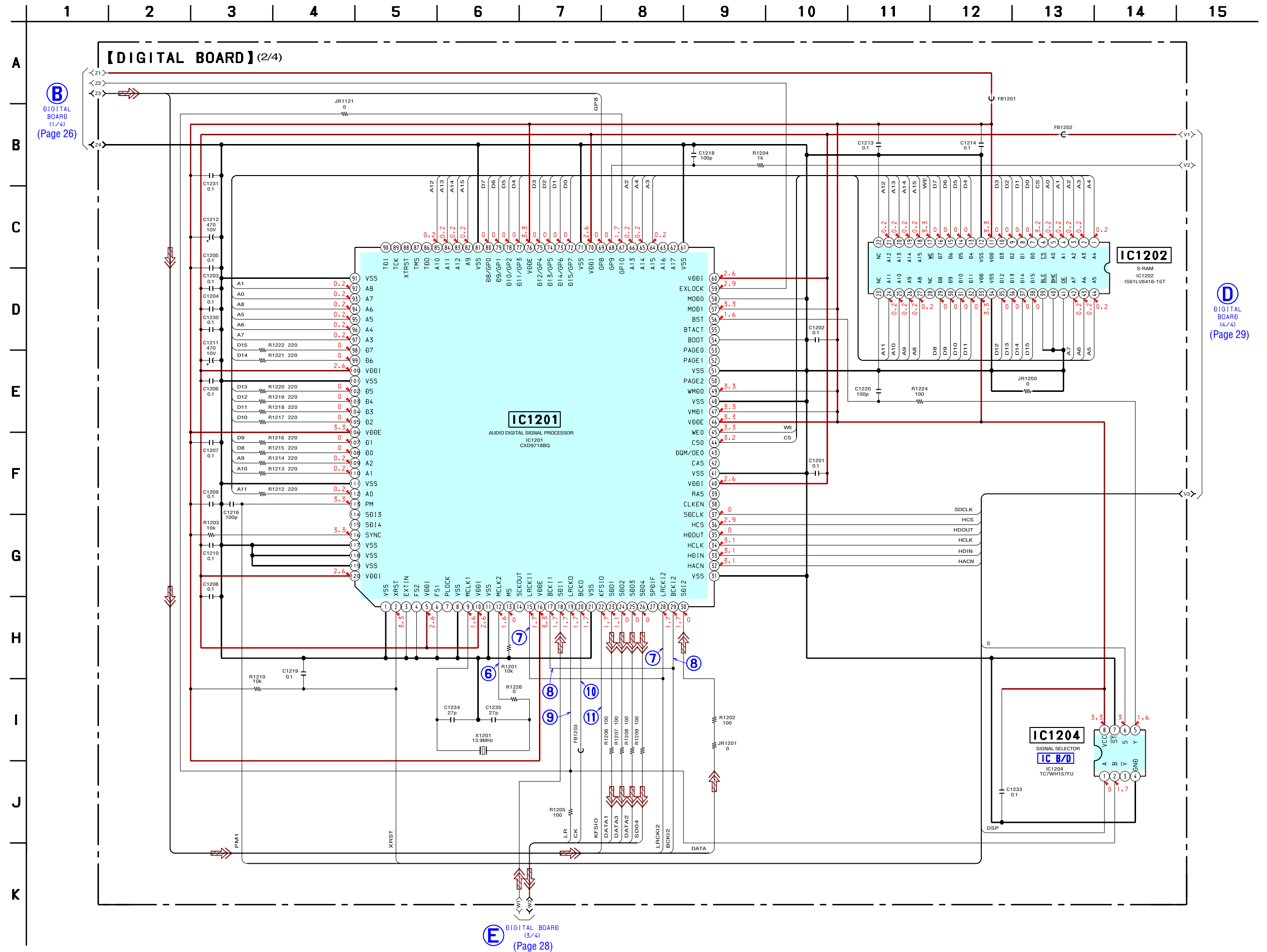
Ref. No.	Location
D1501	H-12
D1502	H-12
D1602	J-2
IC1104	E-14
IC1105	F-14
IC1106	G-14
IC1107	H-14
IC1151	K-13
IC1403	J-6
IC1901	D-6
IC1902	D-8
IC1903	C-12
IC1904	C-5
IC1905	C-8



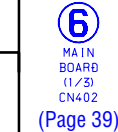
6-9. SCHEMATIC DIAGRAM – DIGITAL Section (1/4) – • See page 54 for Waveforms. • See page 55 for IC Block Diagrams. • See page 62 for IC Pin Function Description.



6-10. SCHEMATIC DIAGRAM – DIGITAL Section (2/4) – • See page 54 for Waveforms. • See page 62 for IC Pin Function Description.

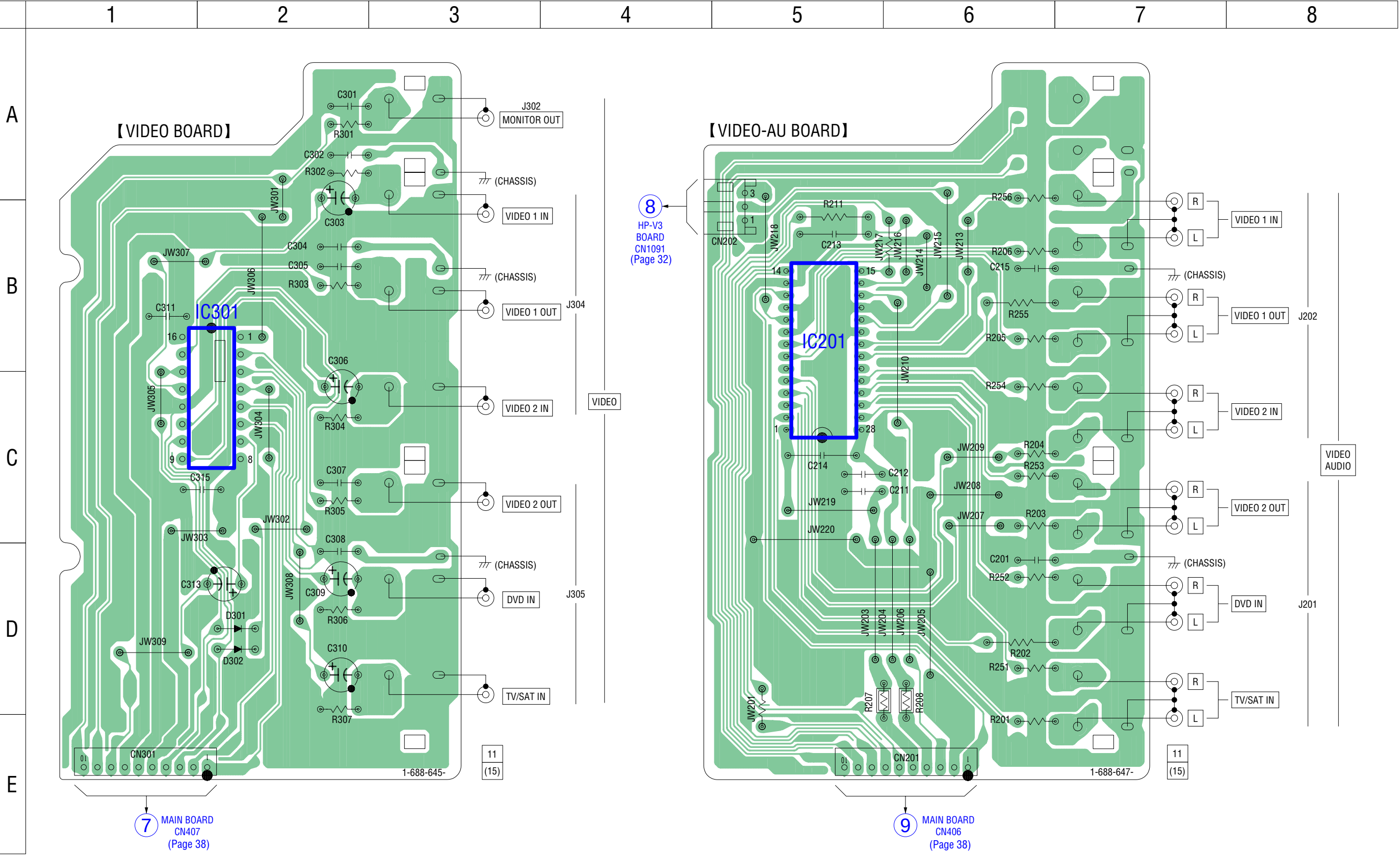


28 28

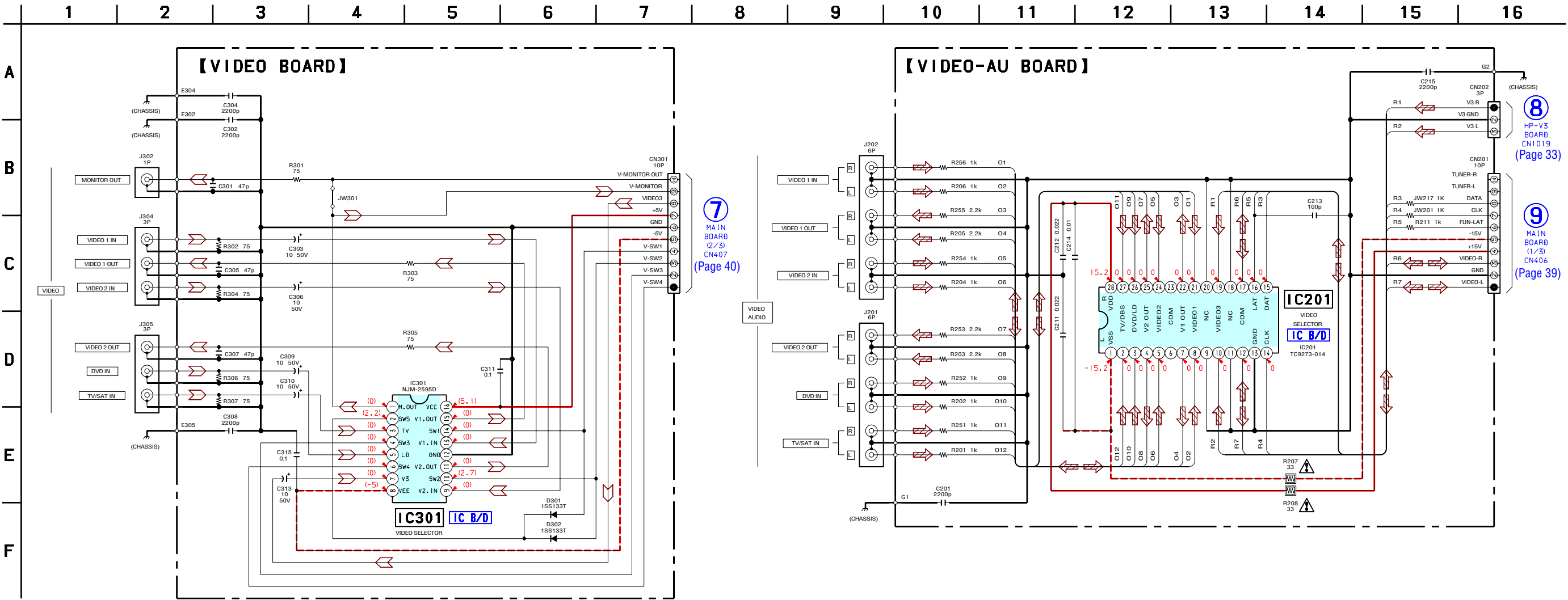




6-13. PRINTED WIRING BOARDS – VIDEO Section – • See page 23 for Circuit Boards Location. :Uses unleaded solder.

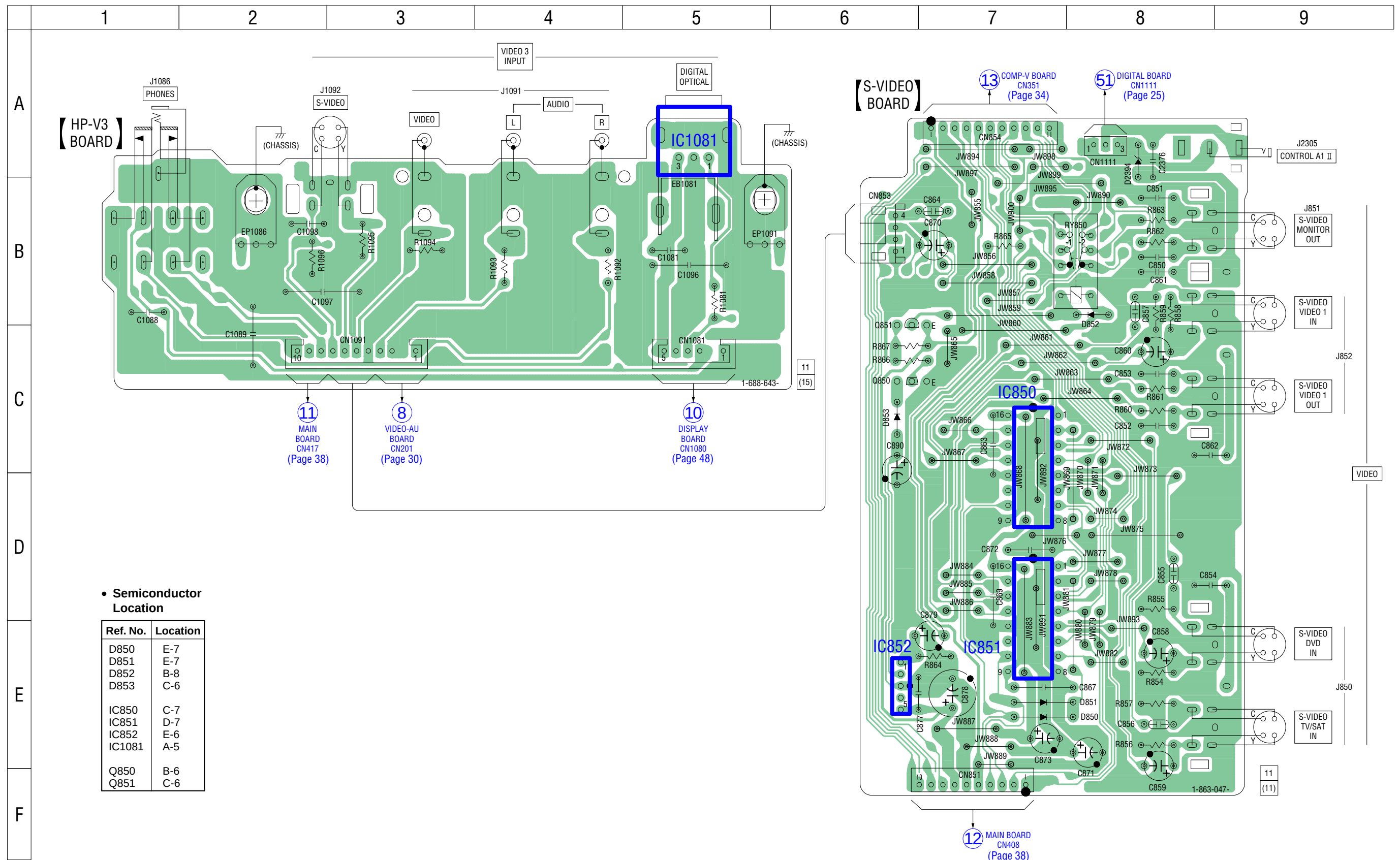


6-14. SCHEMATIC DIAGRAM – VIDEO Section – • See page 55 for IC Block Diagrams.



The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety. Replace only with part number specified.

6-15. PRINTED WIRING BOARDS – S-VIDEO Section – • See page 23 for Circuit Boards Location. :Uses unleaded solder.

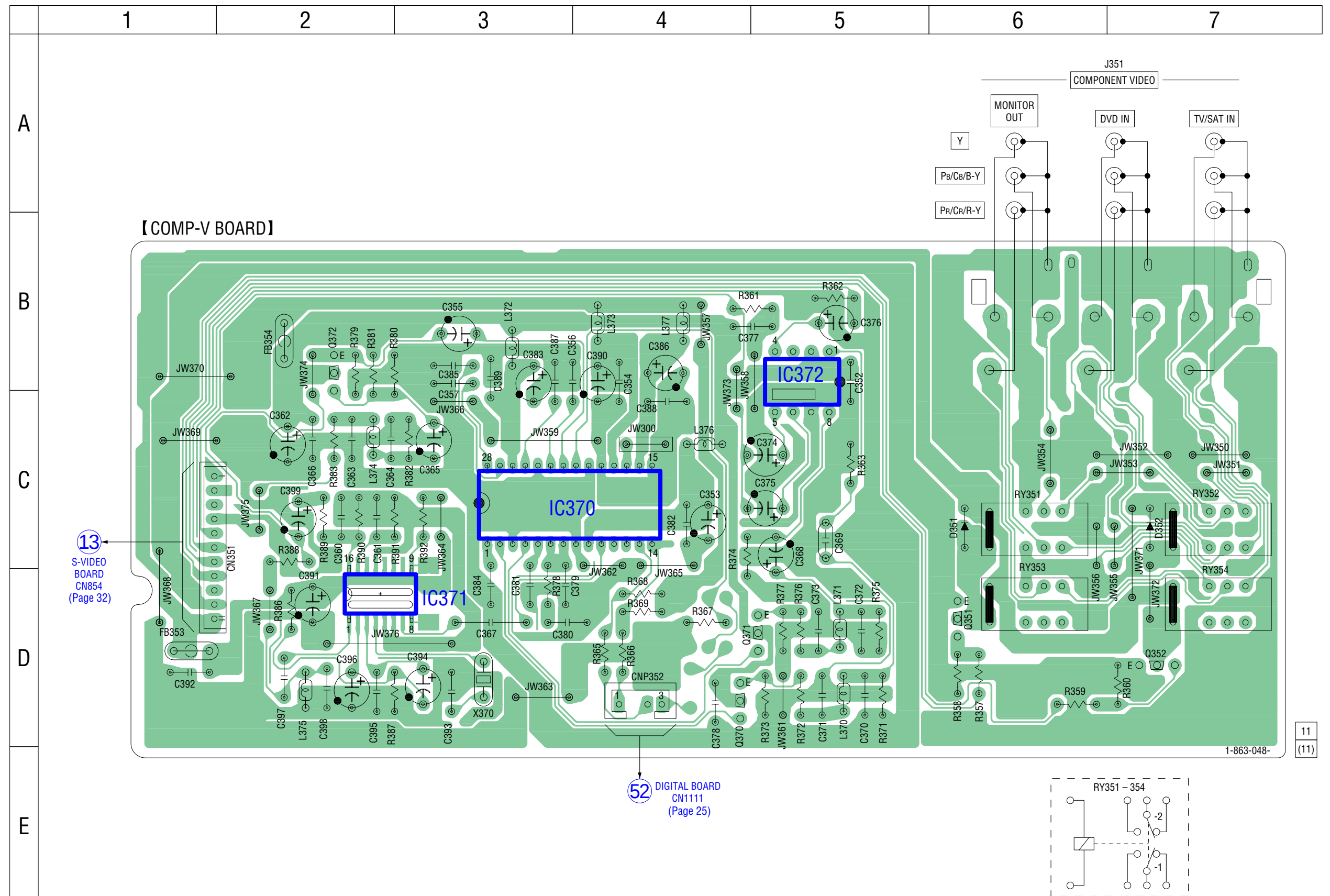


33



6-17. PRINTED WIRING BOARD – COMP-V Section – • See page 23 for Circuit Boards Location. :Uses unleaded solder.

Ref. No.	Location
D351	C-6
D352	C-7
IC370	C-3
IC371	D-2
IC372	B-5
Q351	D-6
Q352	D-7
Q370	D-4
Q371	D-5
Q372	B-2



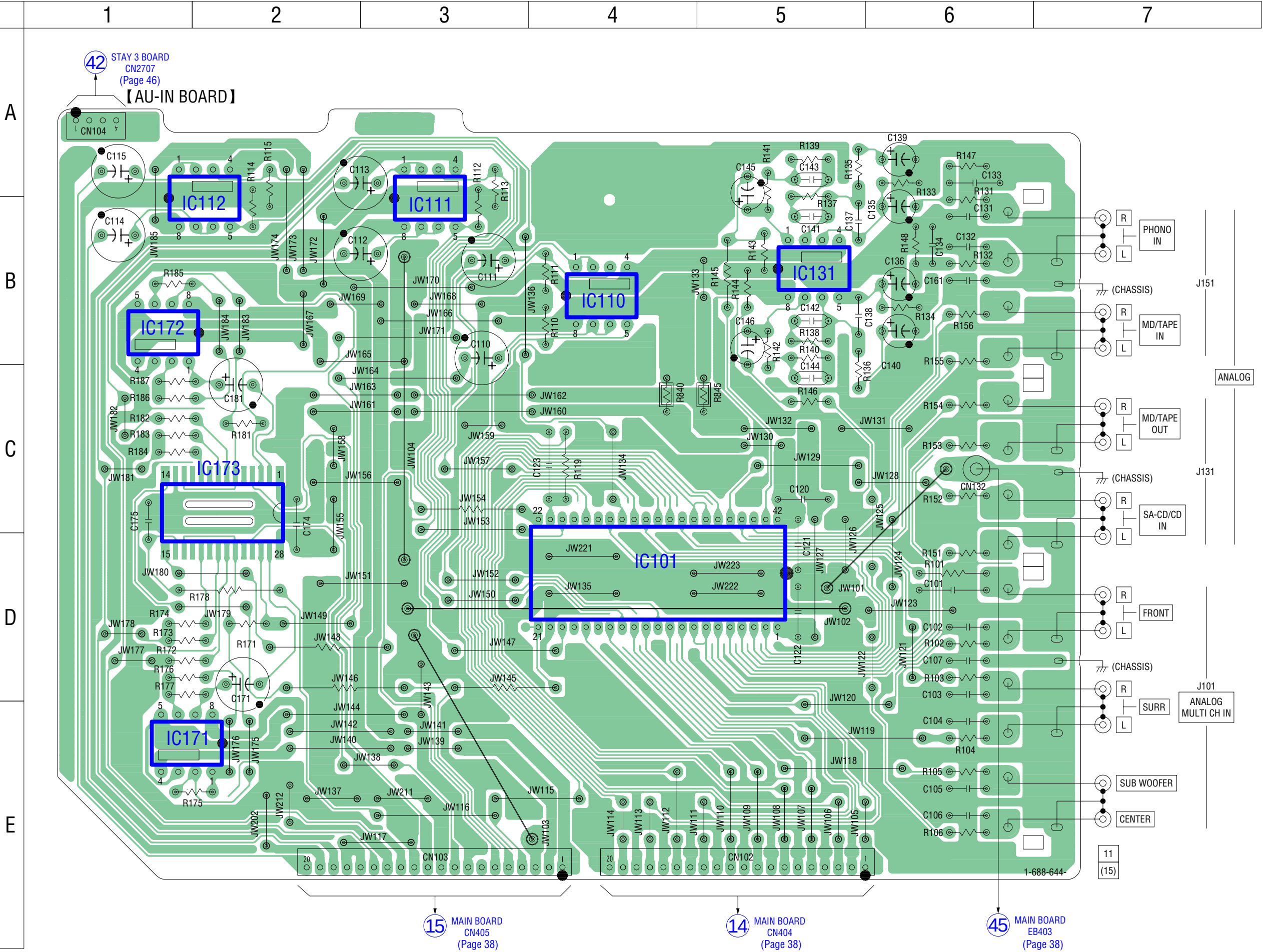
35



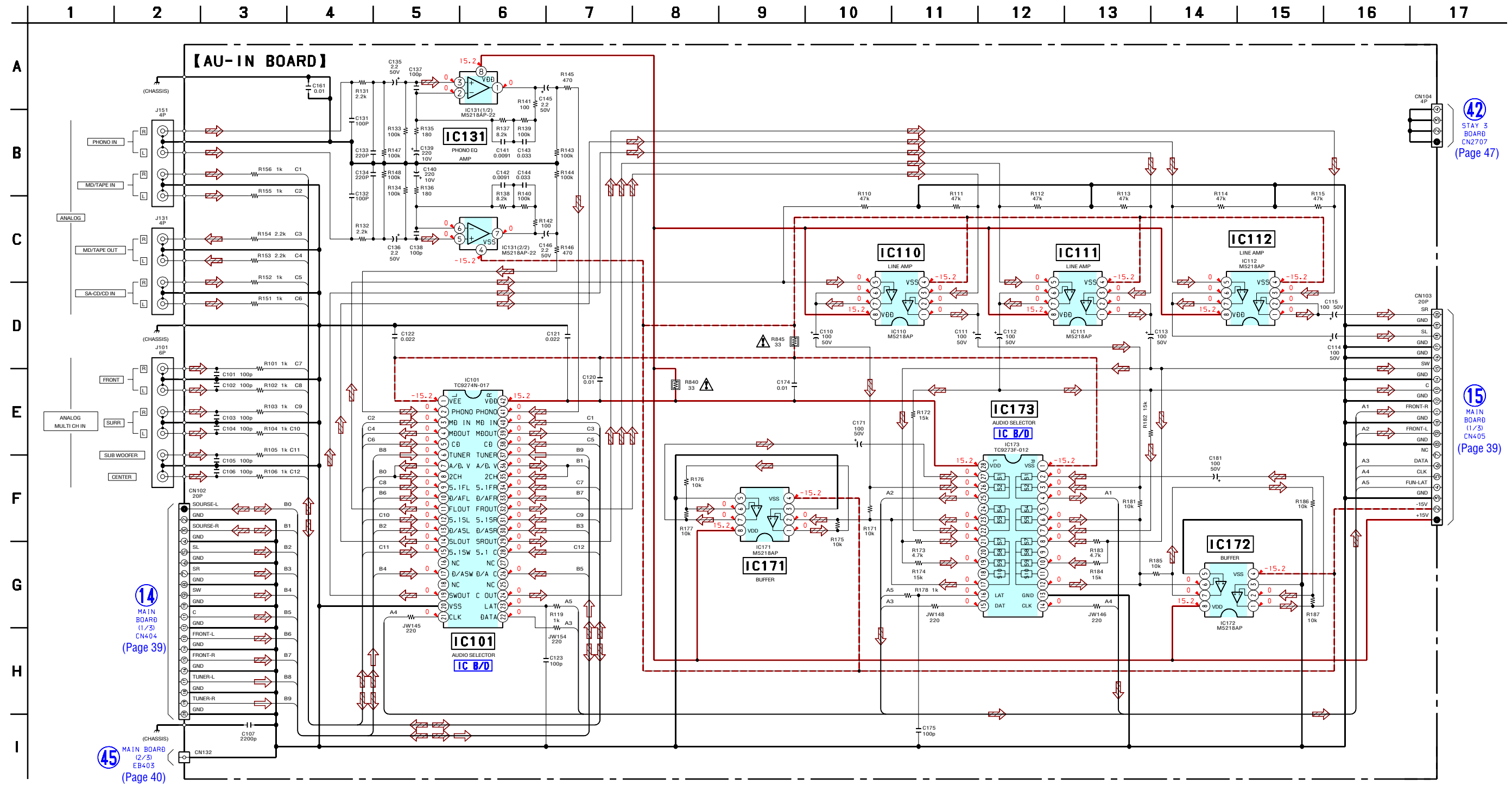
6-19. PRINTED WIRING BOARD – AU-IN Section – • See page 23 for Circuit Boards Location. :Uses unleaded solder.

• Semiconductor Location

Ref. No.	Location
IC101	D-4
IC110	B-4
IC111	B-3
IC112	B-2
IC131	B-5
IC171	E-1
IC172	B-1
IC173	C-2

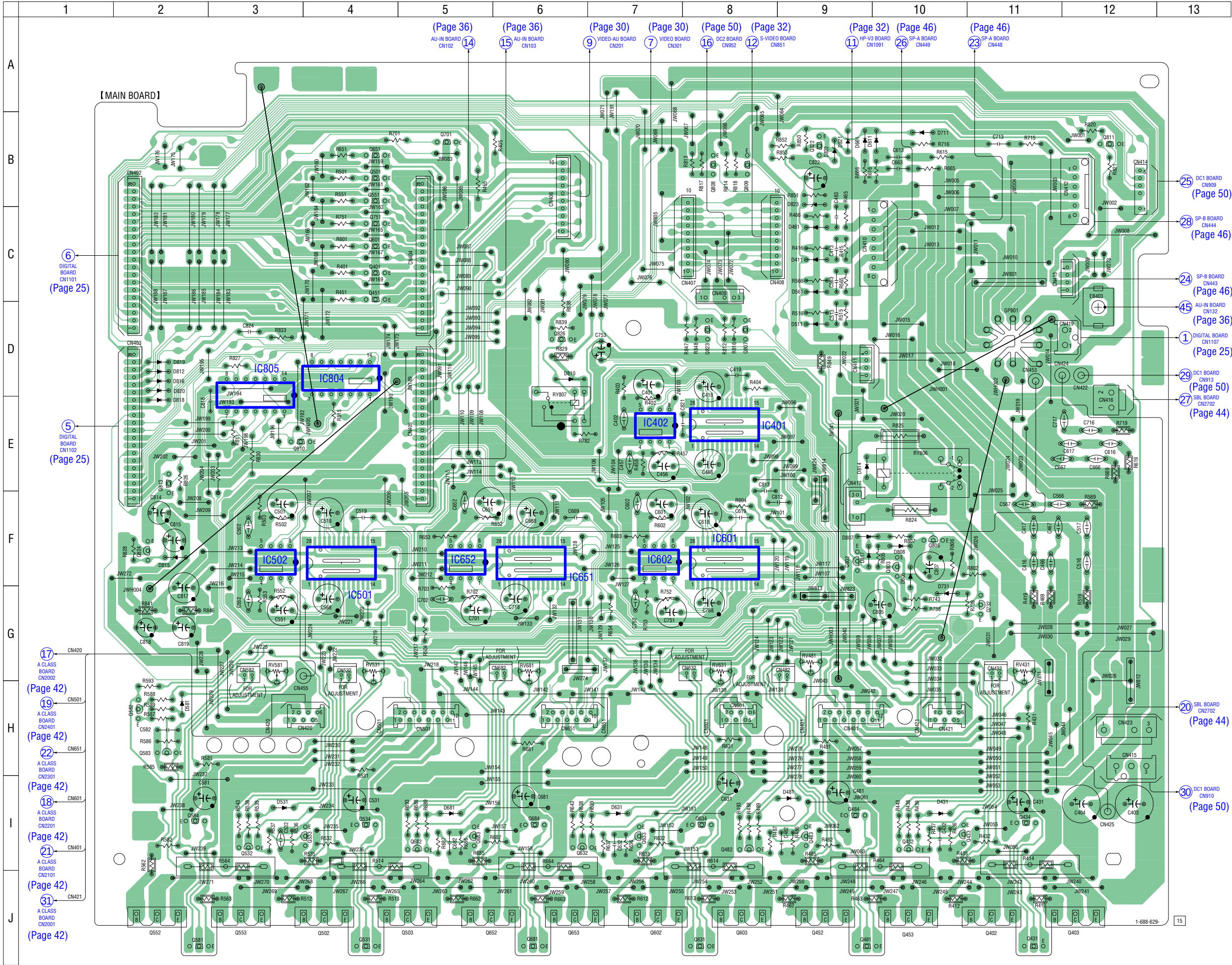


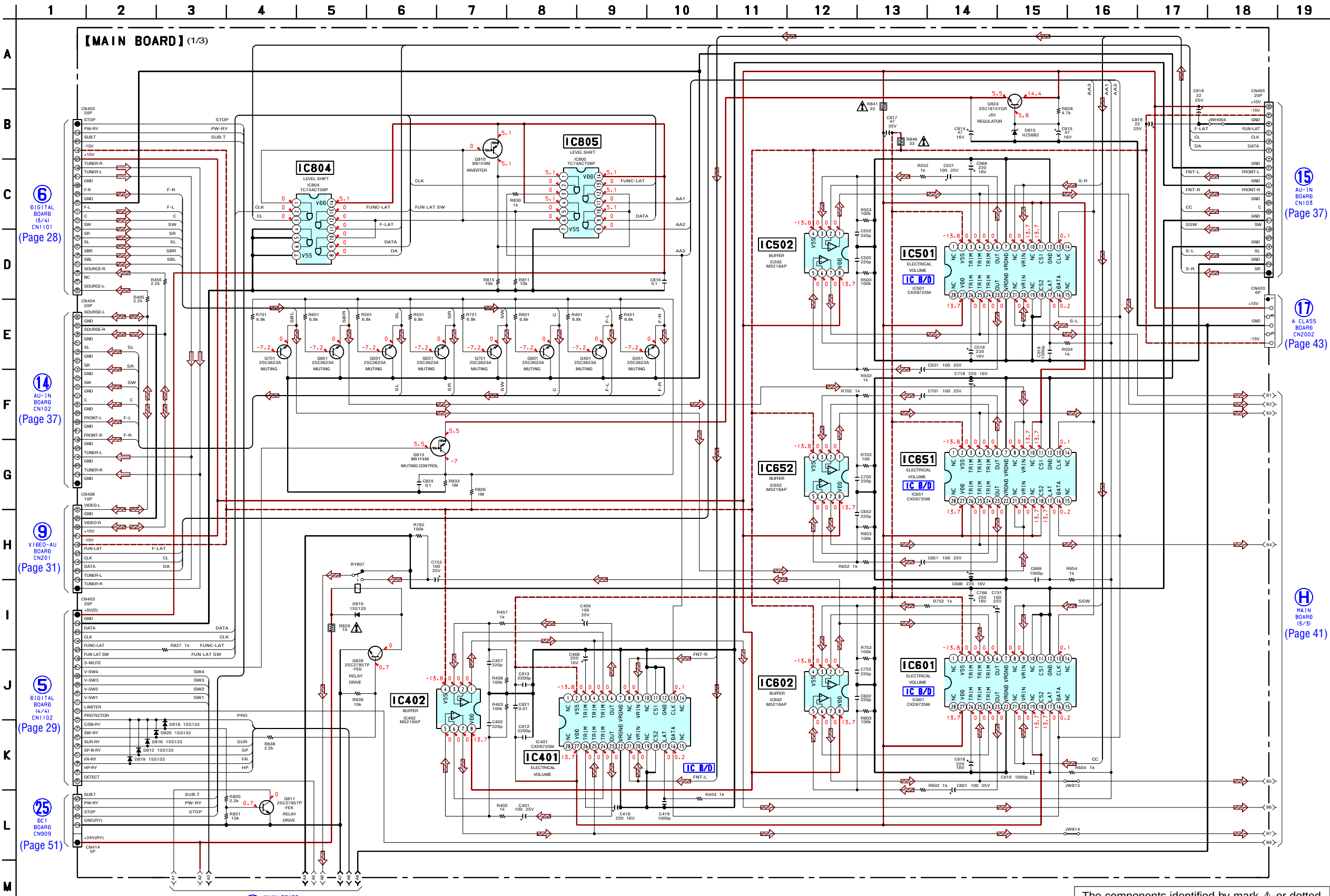
6-20. SCHEMATIC DIAGRAM – AU-IN Section – • See page 55 for IC Block Diagrams.



The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety.
Replace only with part number specified.

6-21. PRINTED WIRING BOARD – MAIN Section – • See page 23 for Circuit Boards Location. :Uses unleaded solder.

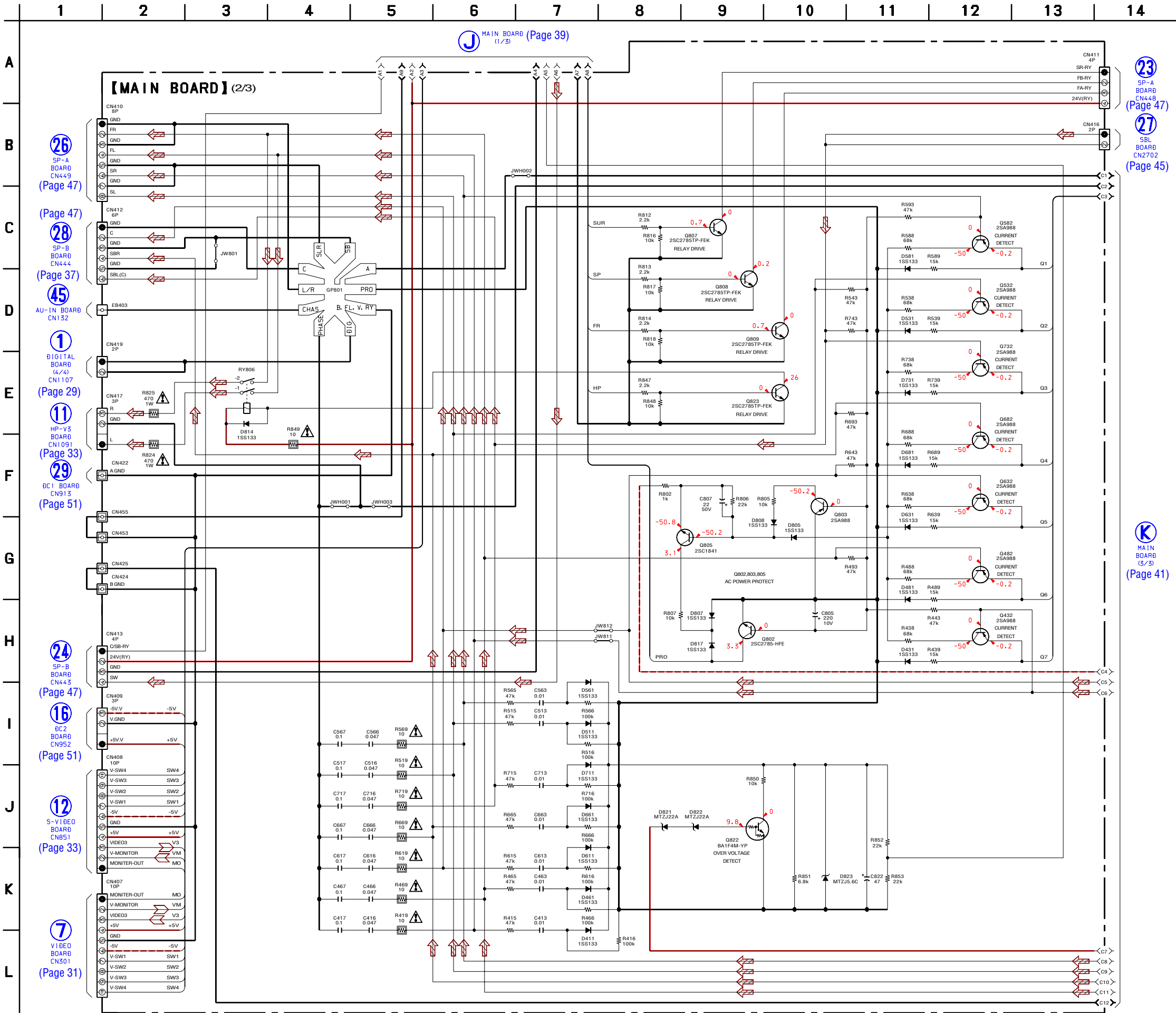




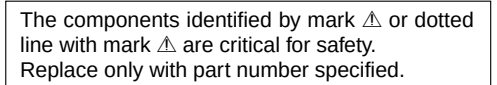
• Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D411	C-9	D611	B-10	D808	F-10	D819	D-2	IC501	F-4	Q401	C-4	Q451	C-4	Q502	J-4	Q553	J-3	Q631	J-8	Q682	I-5
D431	I-10	D631	I-7	D810	D-6	D820	D-2	IC502	F-3	Q402	C-4	Q452	J-9	Q503	J-5	Q581	J-2	Q632	I-6	Q683	I-5
D461	C-9	D661	B-9	D812	D-2	D821	B-9	IC601	F-8	Q403	J-11	Q453	J-10	Q531	J-4	Q582	H-2	Q633	I-7	Q684	I-6
D481	I-9	D681	I-5	D814	E-9	D822	B-9	IC602	F-7	Q431	J-11	Q481	J-9	Q532	I-3	Q583	H-2	Q634	I-8	Q701	B-5
D511	D-9	D711	B-10	D815	F-2	D823	B-9	IC651	F-6	Q432	J-11	Q482	I-8	Q533	I-4	Q584	I-2	Q651	B-4	Q732	G-11
D531	I-3	D731	G-10	D816	D-2			IC652	F-5	Q433	I-10	Q483	I-9	Q534	I-4	Q601	C-4	Q652	J-5	Q751	C-4
D561	C-9	D805	F-10	D817	F-9	IC401	E-8	IC804	D-4	Q434	I-10	Q484	I-9	Q551	B-4	Q602	J-7	Q653	J-6	Q802	F-9
D581	H-2	D807	F-9	D818	E-2	IC402	E-7	IC805	D-3			Q501	B-4	Q552	J-2	Q603	J-8	Q681	J-6	Q803	F-10

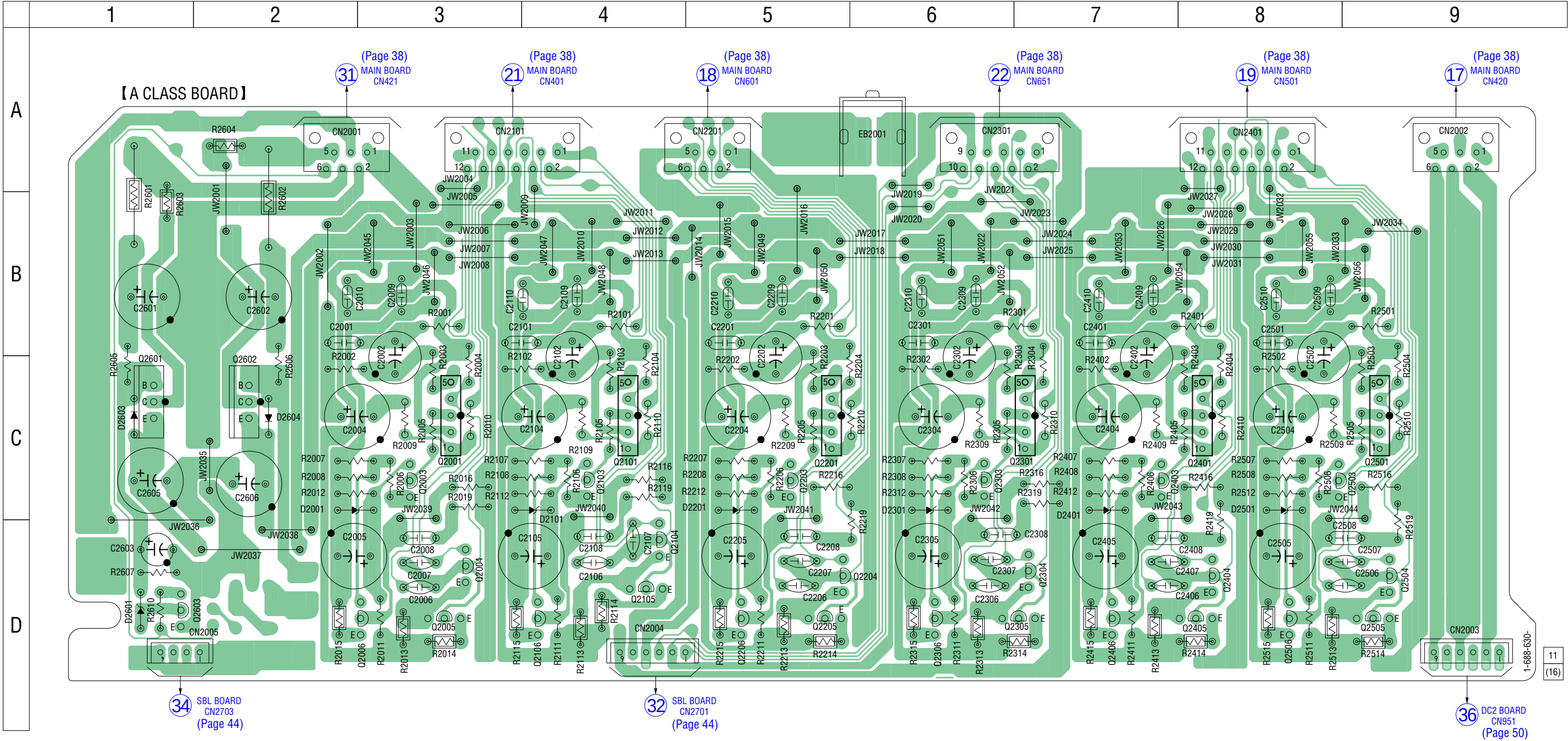
6-23. SCHEMATIC DIAGRAM – MAIN Section (2/3) –



K MAIN BOARD
(2/3)
(Page 40)



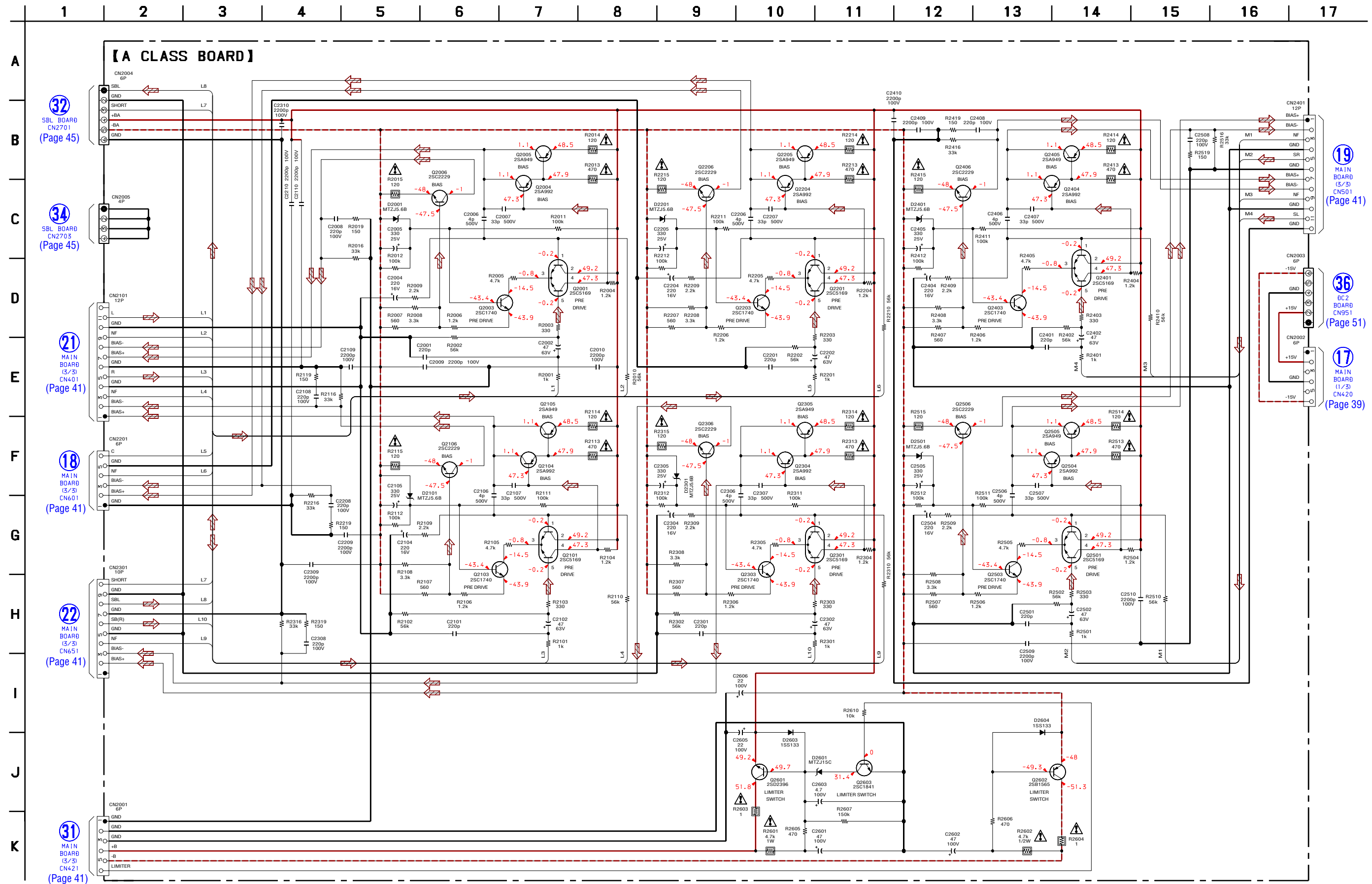
6-25. PRINTED WIRING BOARD – A CLASS Section – • See page 23 for Circuit Boards Location.  :Uses unleaded solder.



• Semiconductor Location

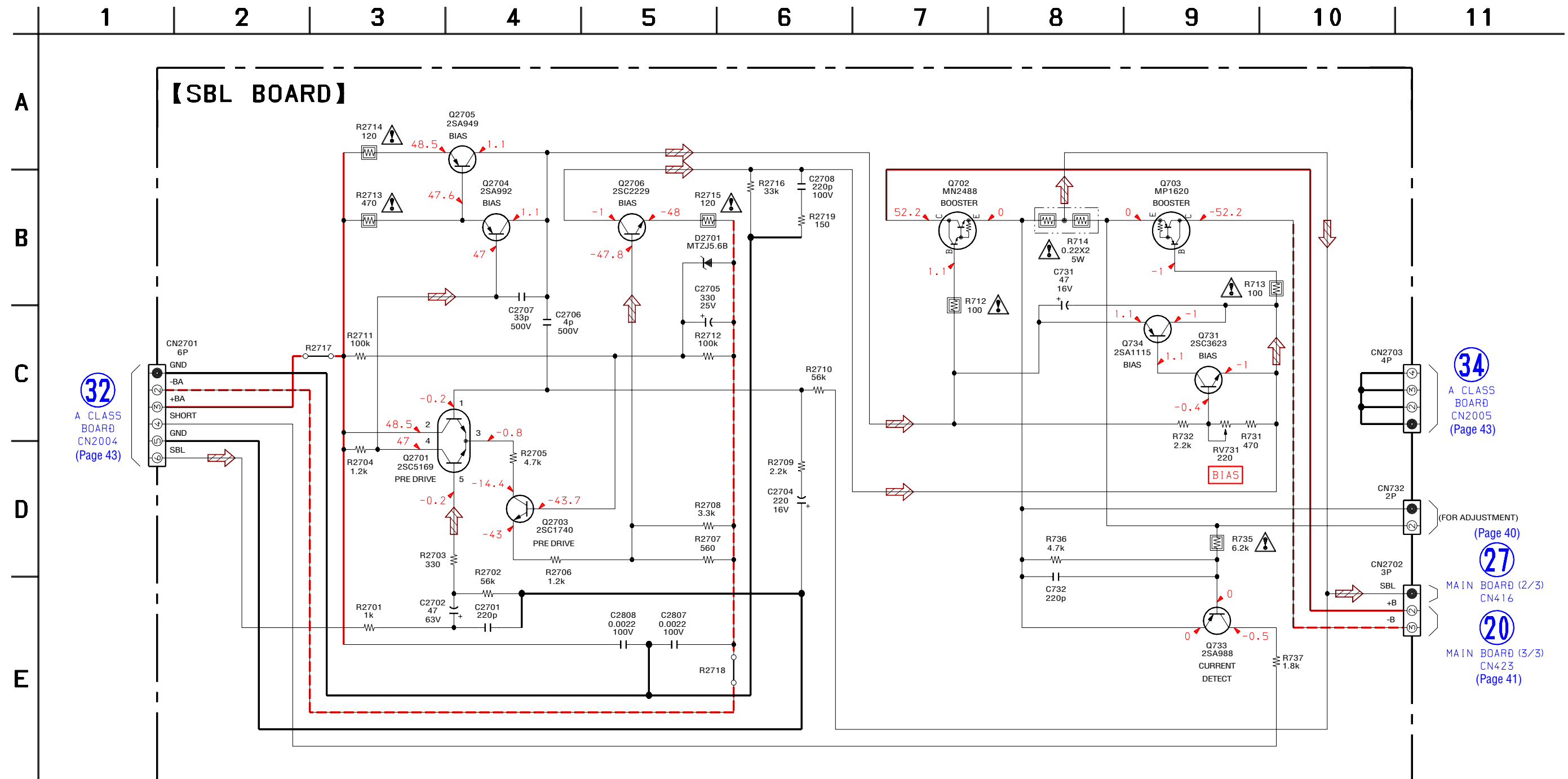
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D2001	C-2	Q2101	C-4	Q2401	C-8
D2101	C-4	Q2103	C-4	Q2403	C-7
D2201	C-5	Q2104	D-4	Q2404	D-8
D2301	C-6	Q2105	D-4	Q2405	D-8
D2401	C-7	Q2106	D-4	Q2406	D-7
D2501	C-8	Q2201	C-5	Q2501	C-9
D2601	D-1	Q2203	C-5	Q2503	C-8
D2603	C-1	Q2204	D-5	Q2504	D-9
D2604	C-2	Q2205	D-5	Q2505	D-9
		Q2206	D-5	Q2506	D-8
Q2001	C-3	Q2301	C-7	Q2601	C-1
Q2003	C-3	Q2303	C-6	Q2602	C-2
Q2004	D-3	Q2304	D-7	Q2603	D-1
Q2005	D-3	Q2305	D-7		
Q2006	D-3	Q2306	D-6		

6-26. SCHEMATIC DIAGRAM – A CLASS Section –



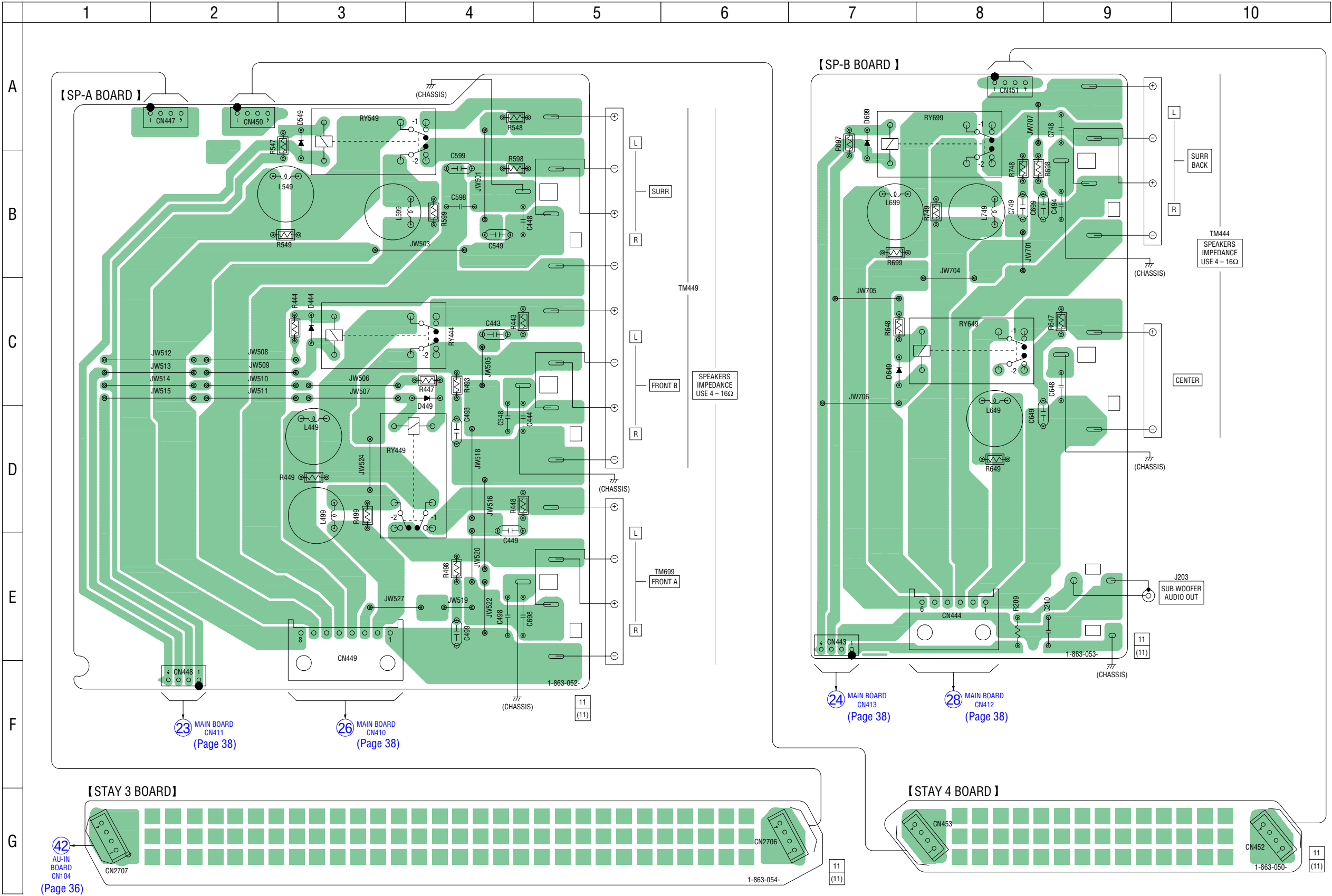
The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

6-28. SCHEMATIC DIAGRAM – SBL Section –

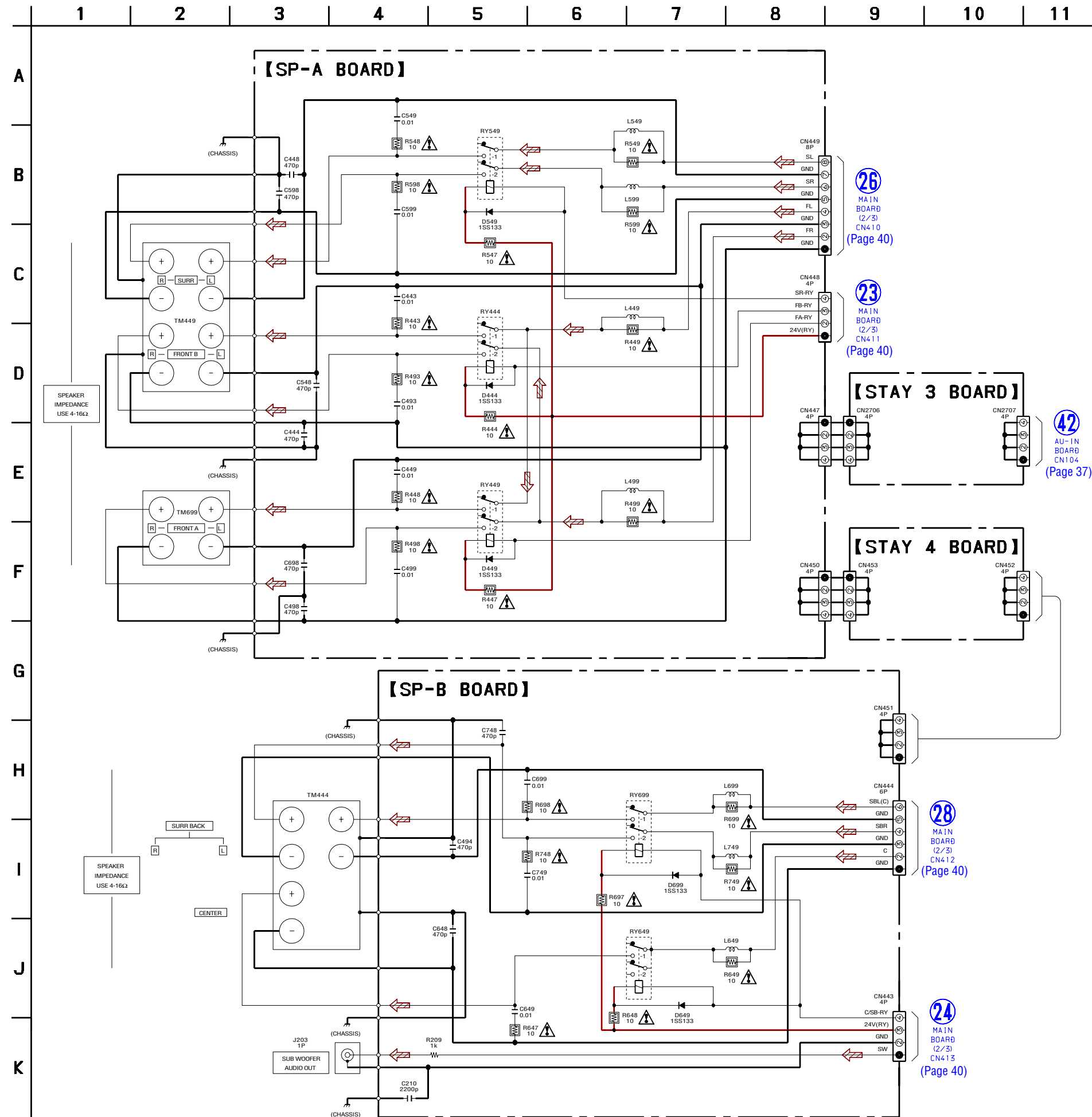


The components identified by mark  or dotted line with mark  are critical for safety.
Replace only with part number specified.

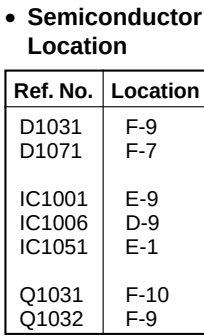
6-29. PRINTED WIRING BOARDS – SP Section – • See page 23 for Circuit Boards Location. :Uses unleaded solder.

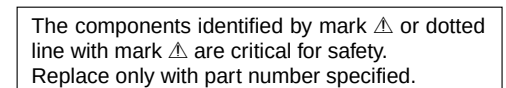


6-30. SCHEMATIC DIAGRAM – SP Section –



The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety.
Replace only with part number specified.

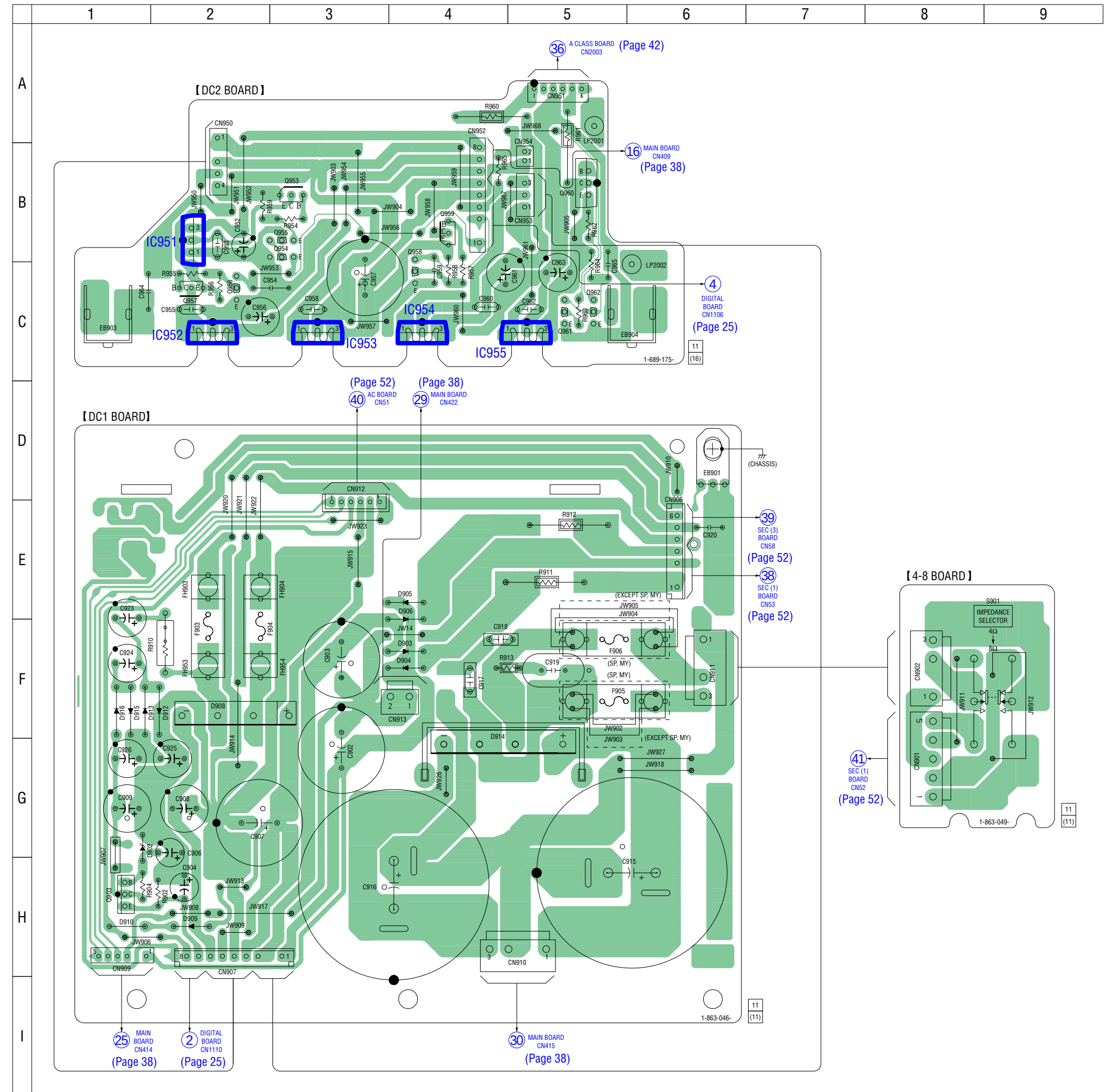




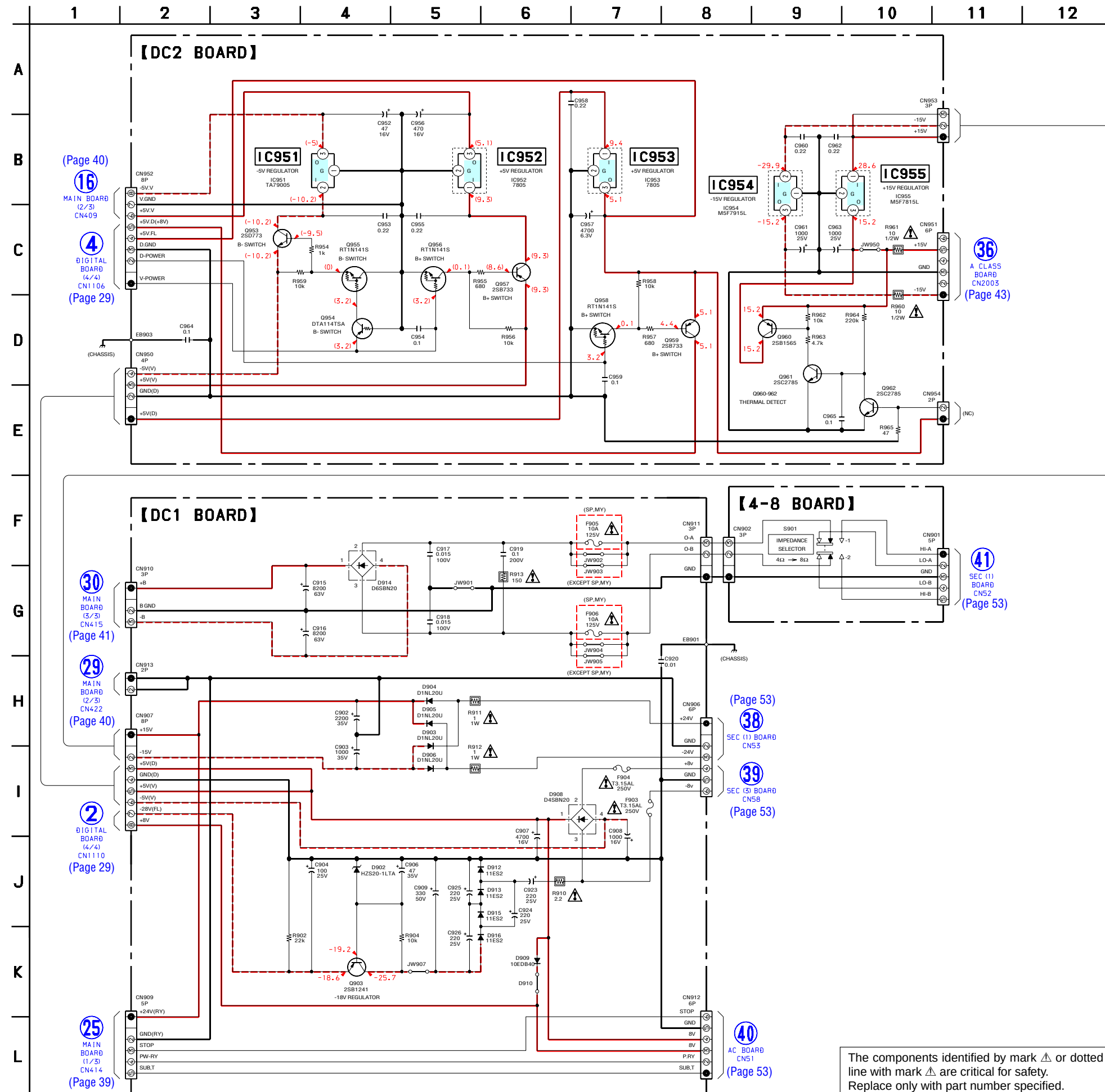
6-33. PRINTED WIRING BOARDS – DC1/DC2/4/8 Boards – • See page 23 for Circuit Boards Location.

- **Semiconductor Location**

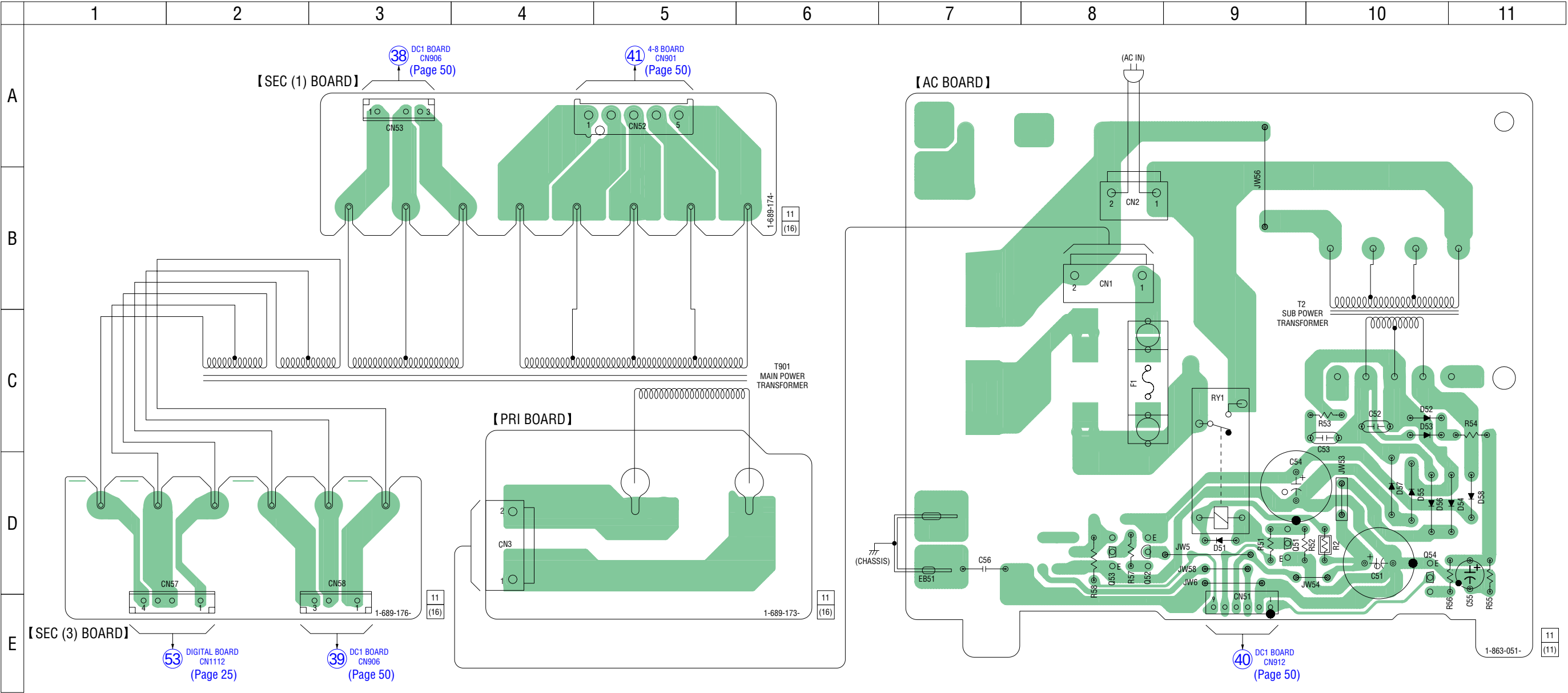
Ref. No.	Location
D902	G-1
D903	F-4
D904	F-4
D905	E-4
D906	E-4
D908	F-2
D909	H-2
D912	F-2
D913	F-1
D914	G-4
D915	F-1
D916	F-1
IC951	B-2
IC952	C-2
IC953	C-3
IC954	C-4
IC955	C-5
Q903	H-1
Q953	B-3
Q954	B-3
Q955	B-3
Q956	C-2
Q957	C-2
Q958	C-4
Q959	B-4
Q960	B-5
Q961	C-5
Q962	C-5



6-34. SCHEMATIC DIAGRAM – DC1/DC2/4/8 Boards –



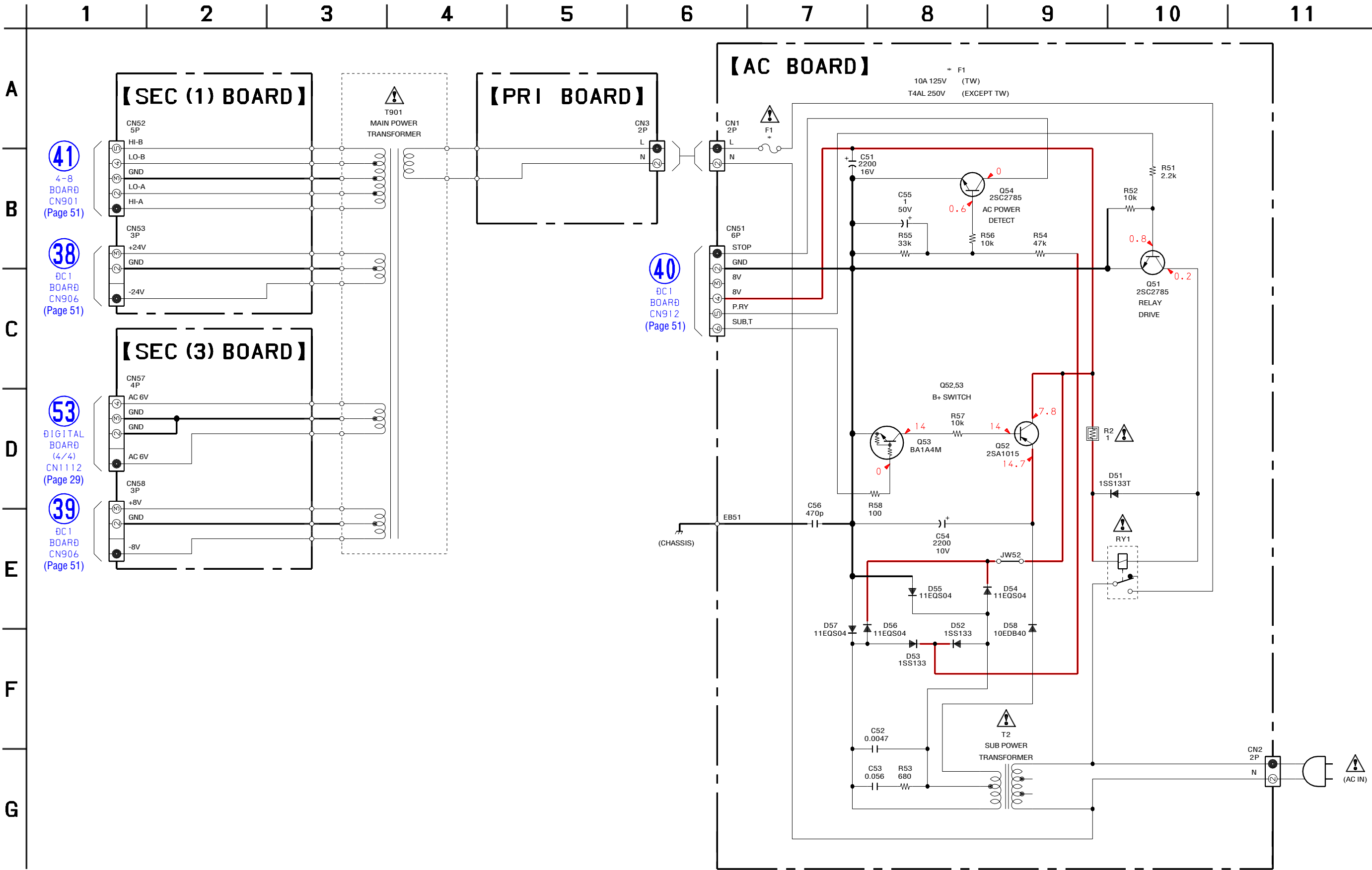
6-35. PRINTED WIRING BOARDS – AC/PRI/SEC1/SEC3 Boards – • See page 23 for Circuit Boards Location. :Uses unleaded solder.



• Semiconductor Location

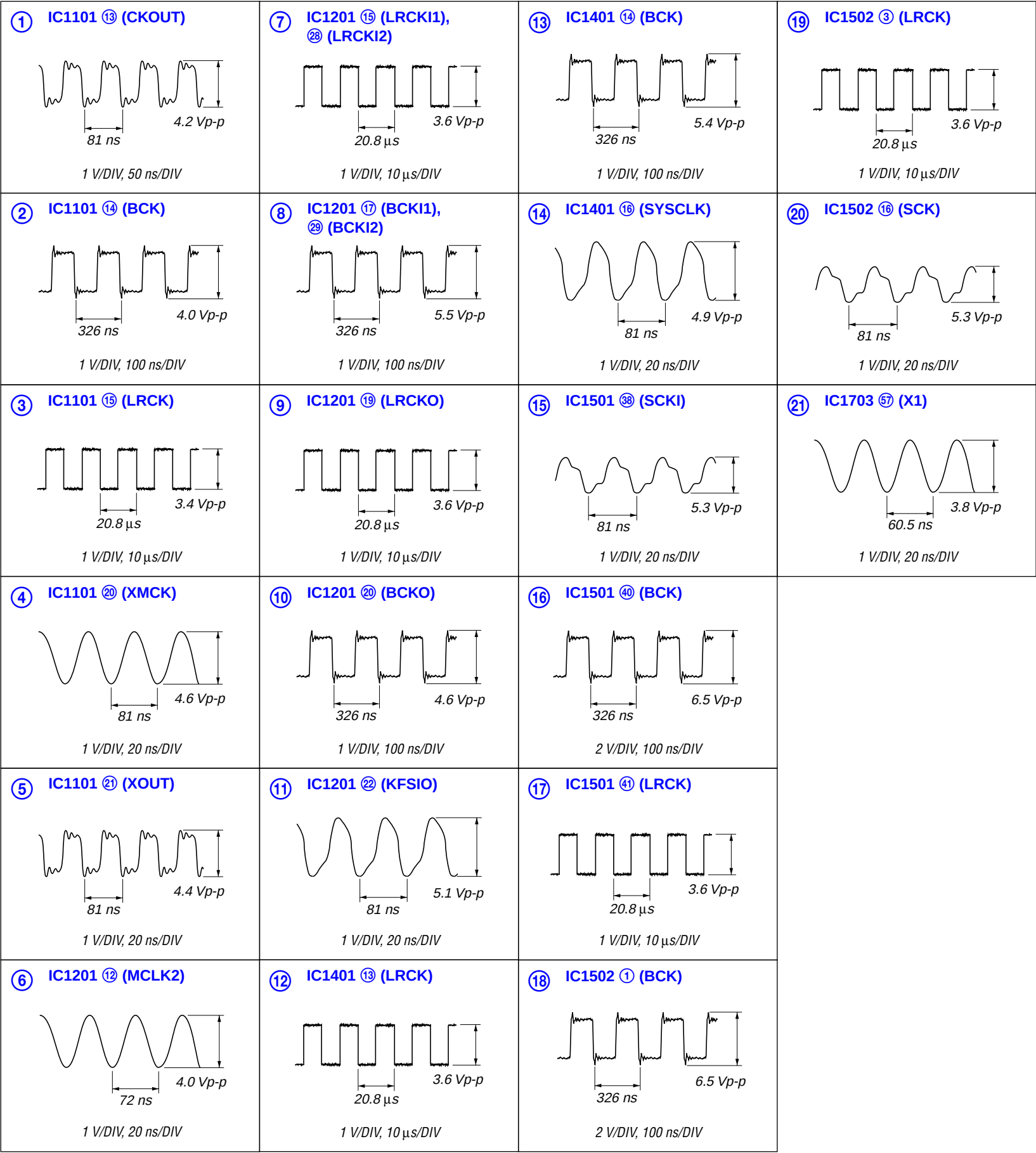
Ref. No.	Location
D51	D-9
D52	C-10
D53	C-10
D54	D-11
D55	D-10
D56	D-10
D57	D-10
D58	D-11
Q51	D-9
Q52	D-8
Q53	D-8
Q54	D-10

6-36. SCHEMATIC DIAGRAM – AC/PRI/SEC1/SEC3 Boards –

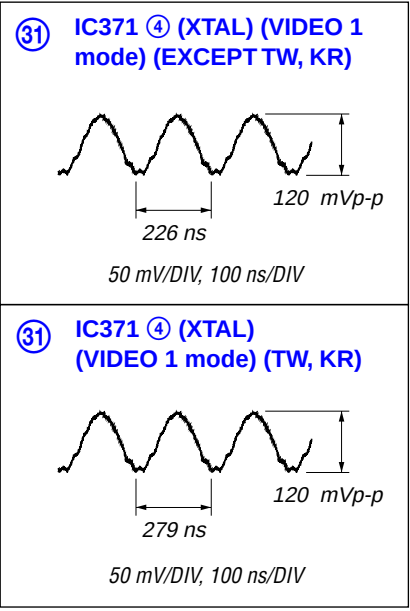


• Waveforms

– DIGITAL Board –



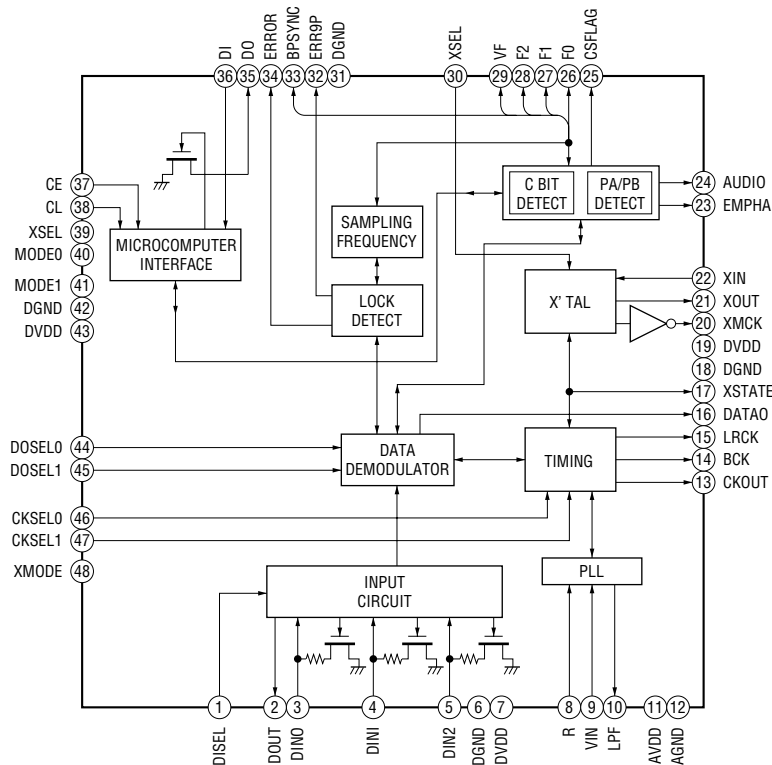
– COMP-V Board –



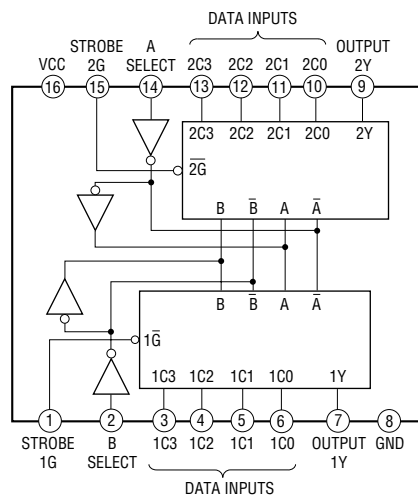
• IC Block Diagrams

– DIGITAL Board –

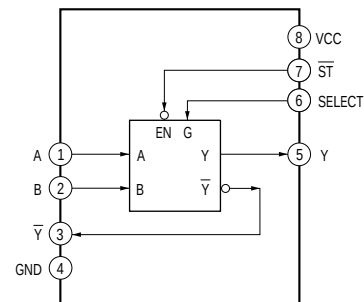
IC1101 LC89056W-E



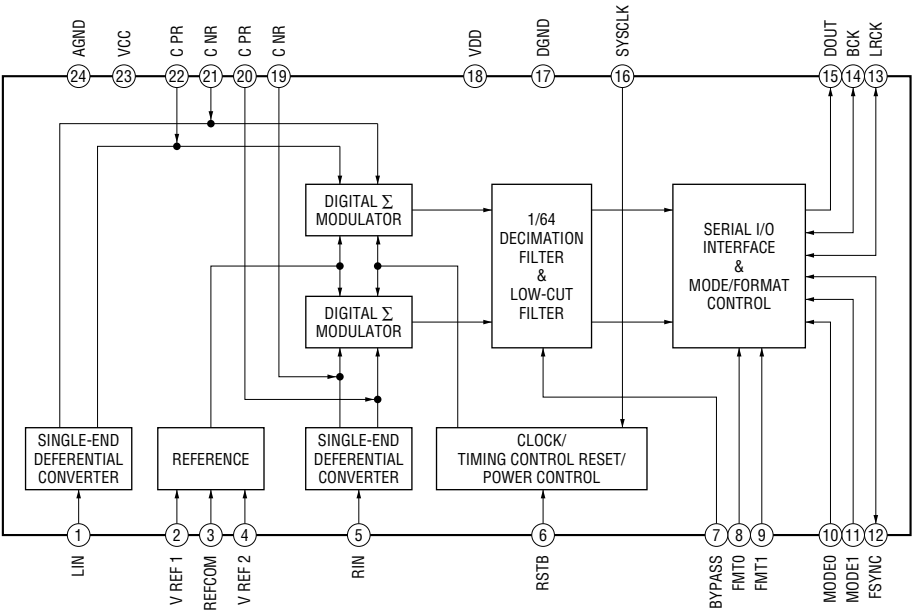
IC1103 SN74HC153ANS



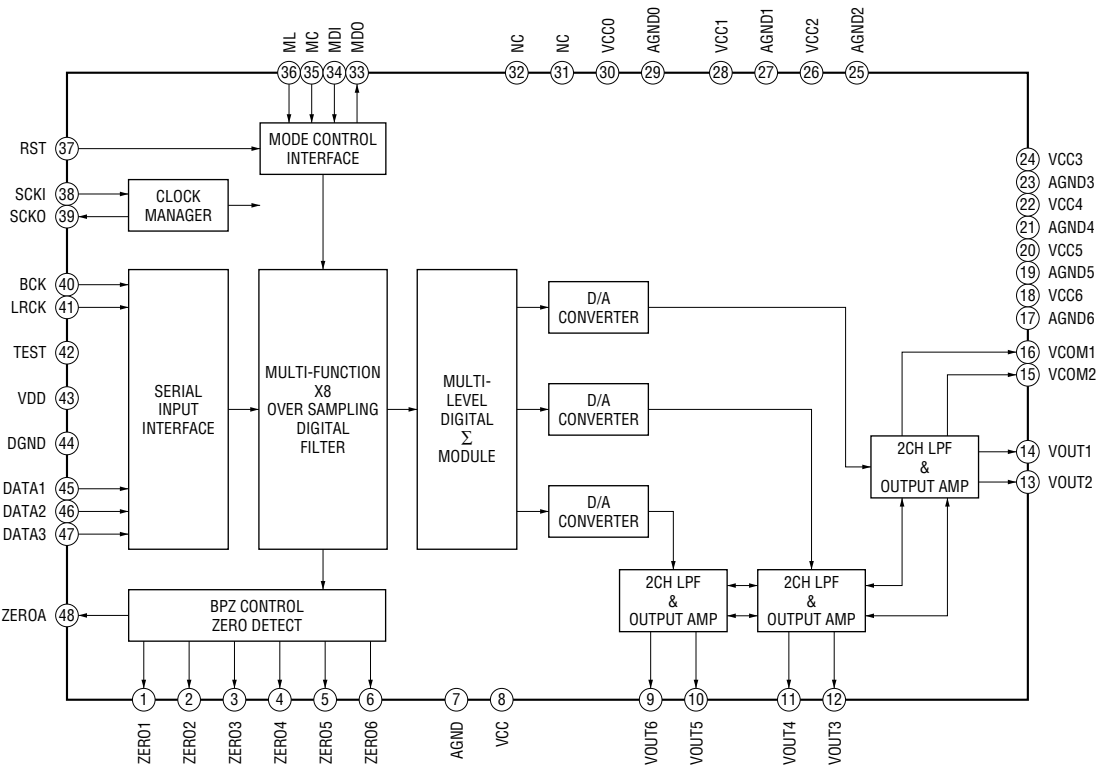
IC1204, 1504 TC7WH157FU (TE12R)



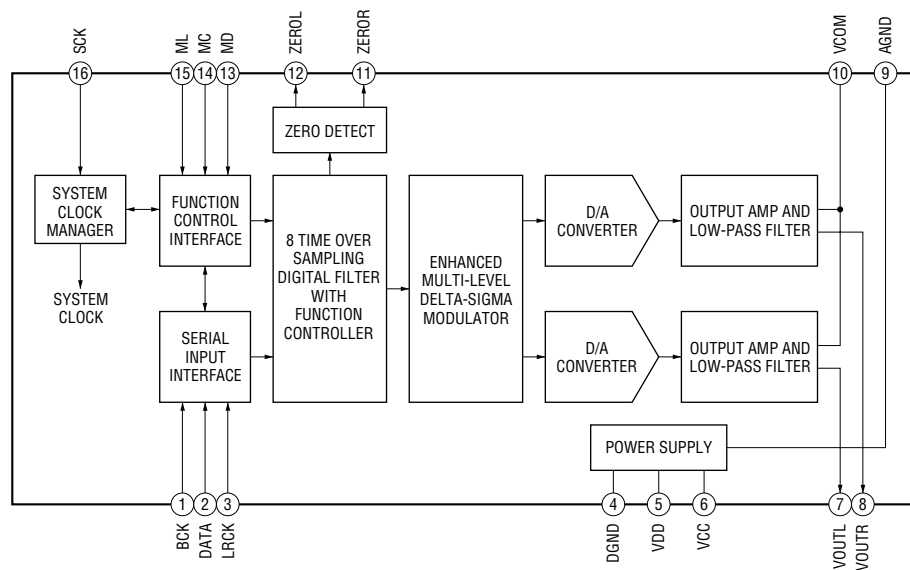
IC1401 PCM1800E/2K



IC1501 PCM1604Y-2/2K

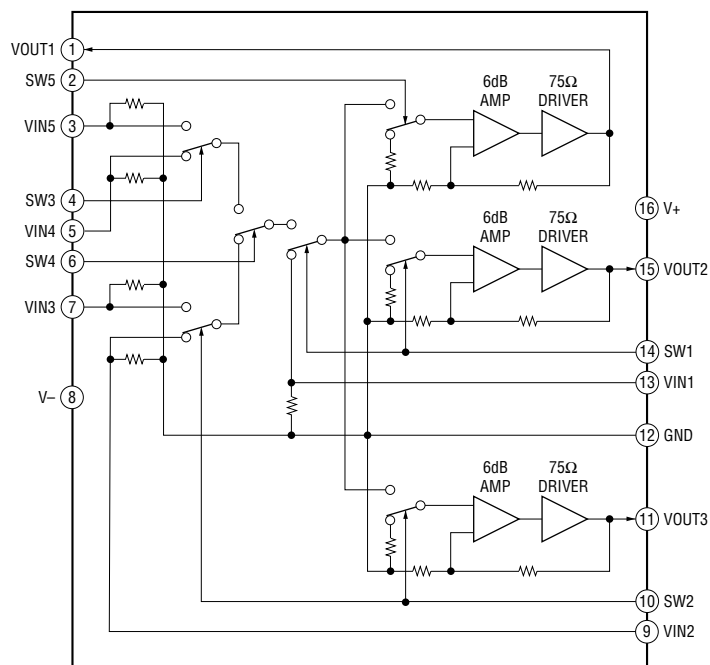


IC1502 PCM1748E/2K



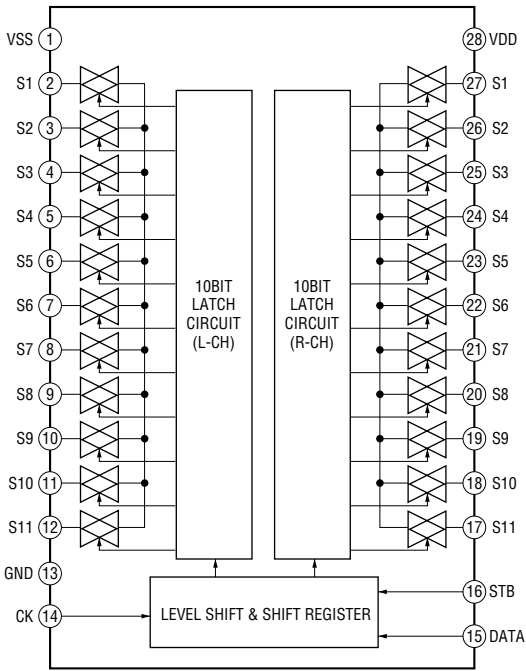
– VIDEO Board –

IC301 NJM2590D



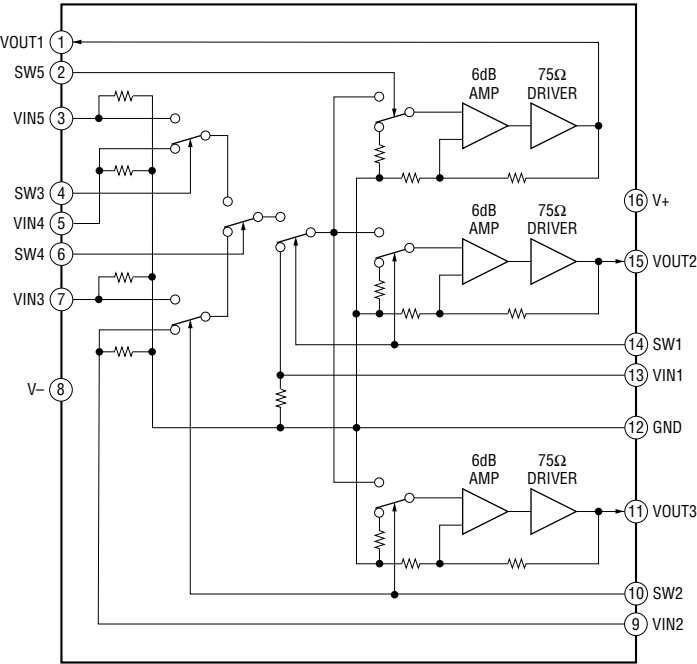
– VIDEO-AU Board –

IC201 TC9273N-014

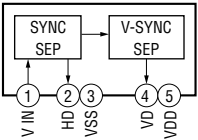


– S-VIDEO Board –

IC850, 851 TC9273N-014

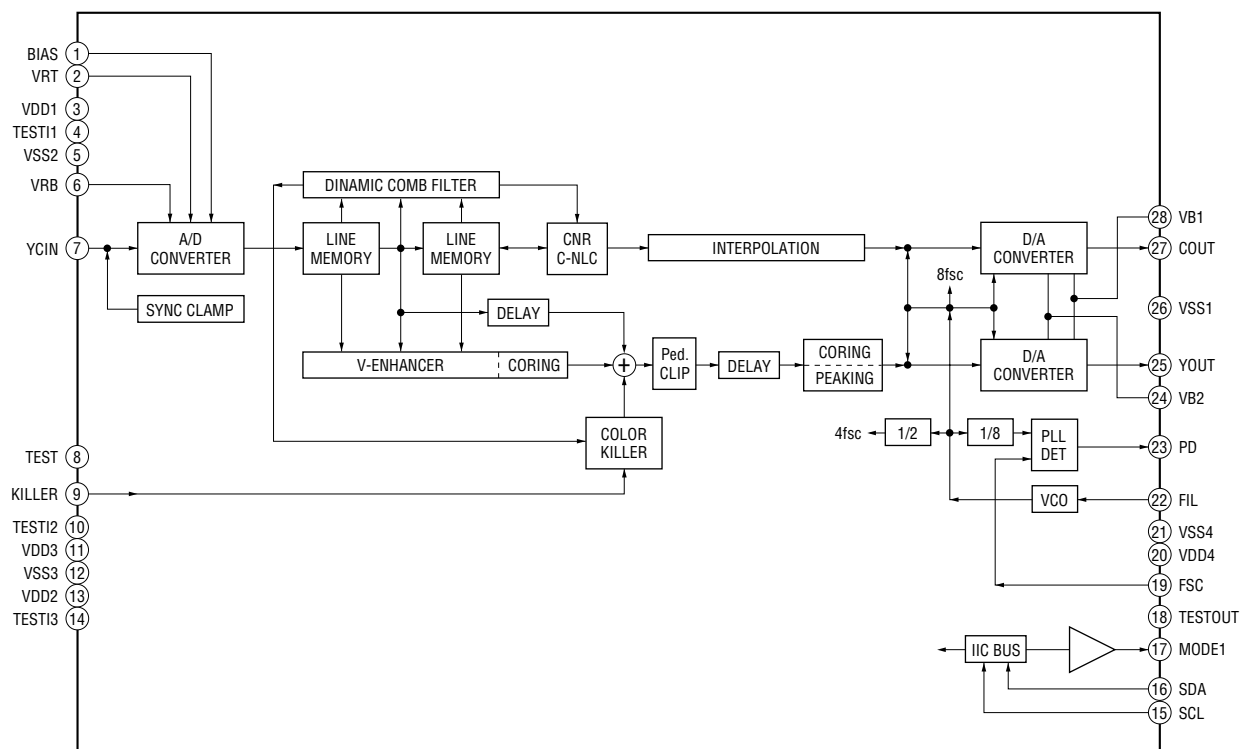


IC852 LA7213

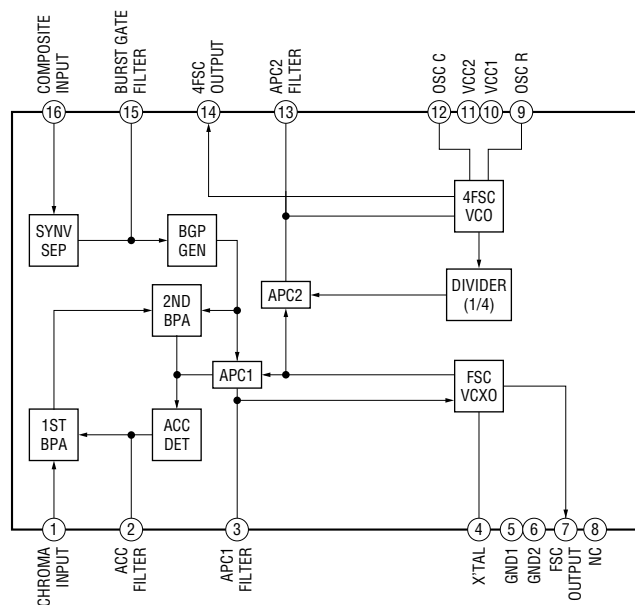


- COMP-V Board -

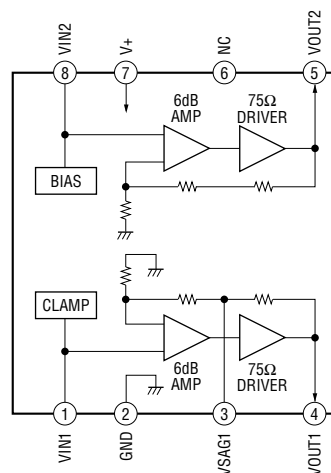
IC370 TC90A69N



IC371 MM1093NF (TW, KR)
MM1093PFB (EXCEPT TW, KR)

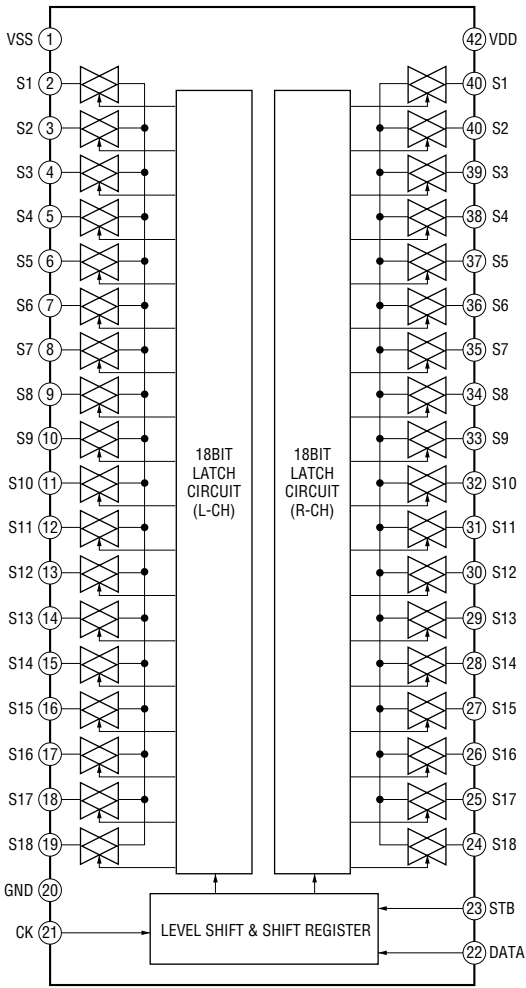


IC372 NJM2268D

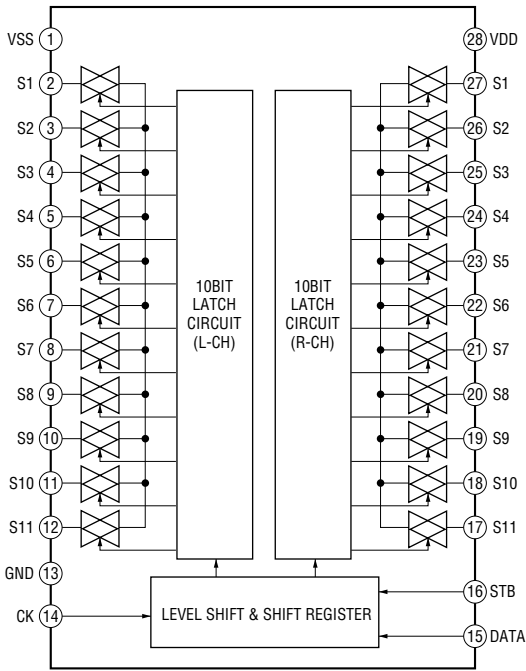


– AU-IN Board –

IC101 TC9274N-017

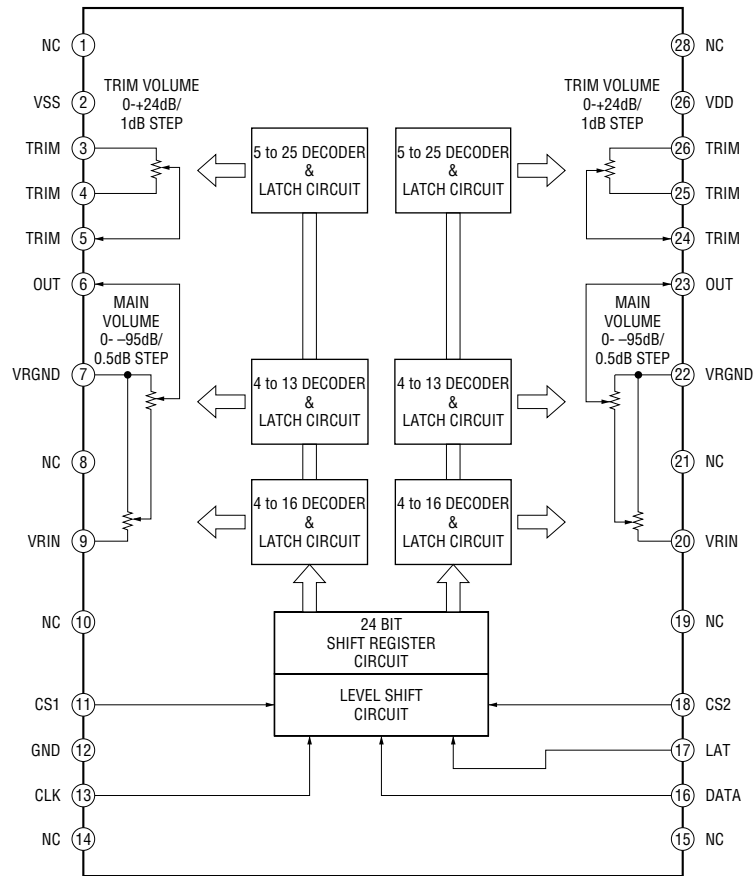


IC173 TC9273F-012 (EL)



– MAIN Board –

IC401, 501, 601, 651 CXD9725M



• IC Pin Function Description

DIGITAL BOARD IC1101 LC89056W-E (DIGITAL AUDIO INTERFACE RECEIVER)

Pin No.	Pin Name	I/O	Description
1	DISEL	I	Selection signal input terminal of data input terminal Fixed at "L" in this set
2	DOUT	O	Digital data output to the external output terminal
3 to 5	DIN0 to DIN2	I	Digital data input from the external input terminal
6	D.GND	-	Ground terminal (for digital)
7	DVDD	-	Power supply terminal (+3.3V) (for digital)
8	R	I	Input terminal for VCO gain control
9	VIN	I	Input terminal for VCO free-run frequency setting
10	LPF	O	PLL loop filter setting terminal
11	AVDD	-	Power supply terminal (+3.3V) (for analog)
12	AGND	-	Ground terminal (for analog)
13	CKOUT	O	Audio clock signal output to the audio digital signal processor and D/A converter
14	BCK	O	Bit clock signal (2.8224 MHz) output to the audio digital signal processor and A/D converter
15	LRCK	O	L/R sampling clock signal (44.1 kHz) output to the audio digital signal processor and A/D converter
16	DATAO	O	Audio serial data output to the audio digital signal processor and system controller
17	XSTATE	O	Source clock selection monitor output to the system controller
18	DGND	-	Ground terminal (for digital)
19	DVDD	-	Power supply terminal (+3.3V) (for digital)
20	XMCK	O	System clock signal (12.288 MHz) output to the A/D converter
21	XOUT	O	System clock output terminal (12.288 MHz)
22	XIN	I	System clock input terminal (12.288 MHz)
23	EMPHA	O	Channel status emphasis information output terminal Not used
24	AUDIO	O	Channel status bit 1 output to the audio digital signal processor
25	CSFLAG	O	Channel status head 40 bit renewal flag output terminal Not used
26 to 29	F0/P0/C0 to F3/P3/C3	O	Output terminal of input frequency calculation result Not used
30	DVDD	-	Power supply terminal (+3.3V) (for digital)
31	DGND	-	Ground terminal (for digital)
32	AUTO	O	Not used
33	BPSYNC	O	Non-PCM burst preamble sync signal output terminal Not used
34	ERROR	O	PLL lock error signal and data error flag output to the audio digital signal processor and system controller
35	DO	O	Read data output to the system controller
36	DI	I	Write data input from the system controller
37	CE	I	Chip enable signal input from the system controller
38	CLK	I	Clock signal input from the system controller
39	XSEL	I	Selection signal input terminal of crystal oscillator frequency Fixed at "H" in this set
40, 41	MODE0, MODE1	I	Mode setting terminal Fixed at "L" in this set
42	DGND	-	Ground terminal (for digital)
43	DVDD	-	Power supply terminal (+3.3V) (for digital)
44, 45	DOSEL0, DOSEL1	I	Output data format selection signal input terminal Fixed at "L" in this set
46	CKSEL0	I	Output clock selection signal input terminal Fixed at "L" in this set
47	CKSEL1	I	Output clock selection signal input from the system controller
48	XMODE	I	System reset signal input from the system controller "L": reset

DIGITAL BOARD IC1201 CXD9718BQ (AUDIO DIGITAL SIGNAL PROCESSOR)

Pin No.	Pin Name	I/O	Description
1	VSS	-	Ground terminal
2	XRST	I	System reset signal input from the system controller "L": reset
3	EXTIN	I	Master clock signal input terminal Not used
4	FS2	I	Sampling frequency selection signal input terminal Not used
5	VDDI	-	Power supply terminal (+2.5V)
6	FS1	I	Sampling frequency selection signal input terminal Not used
7	PLOCK	O	Internal PLL lock signal output terminal Not used
8	VSS	-	Ground terminal
9	MCLK1	I	System clock input terminal (13.9 MHz)
10	VDDI	-	Power supply terminal (+2.5V)
11	VSS	-	Ground terminal
12	MCLK2	O	System clock output terminal (13.9 MHz)
13	MS	I	Master/slave setting terminal "L": internal clock, "H": external clock Fixed at "L" in this set
14	SCKOUT	O	Internal system clock output terminal Not used
15	LRCKI1	I	L/R sampling clock signal (44.1 kHz) input from the A/D converter and digital audio interface receiver
16	VDDE	-	Power supply terminal (+3.3V)
17	BCKI1	I	Bit clock signal (2.8224 MHz) input from the A/D converter and digital audio interface receiver
18	SDI1	I	Audio serial data input from the A/D converter
19	LRCKO	O	L/R sampling clock signal (44.1 kHz) output to the D/A converter
20	BCKO	O	Bit clock signal (2.8224 MHz) output to the D/A converter
21	VSS	-	Ground terminal
22	KFSIO	I	Audio clock signal input from the digital audio interface receiver
23 to 26	SDO1 to SDO4	O	Audio serial data output to the D/A converter
27	SPDIF	O	SPDIF signal output terminal Not used
28	LRCKI2	I	L/R sampling clock signal (44.1 kHz) input from the A/D converter and digital audio interface receiver
29	BCKI2	I	Bit clock signal (2.8224 MHz) input from the A/D converter and digital audio interface receiver
30	SDI2	I	Audio serial data input from the digital audio interface receiver
31	VSS	-	Ground terminal
32	HACN	O	Acknowledge signal output to the system controller
33	HDIN	I	Serial data input from the system controller
34	HCLK	I	Serial data transfer clock signal input from the system controller
35	HDOUT	O	Serial data output to the system controller
36	HCS	I	Chip select input from the system controller
37	SDCLK	I	Write signal input from the system controller
38	CLKEN	O	SD-RAM chip enable output terminal Not used
39	RAS	O	Row address strobe signal output terminal Not used
40	VDDI	-	Power supply terminal (+2.5V)
41	VSS	-	Ground terminal
42	CAS	O	Column address strobe signal output terminal Not used
43	DQM/OE0	O	Output terminal of data input/output mask Not used
44	CS0	O	Chip select signal output to the S-RAM
45	WE0	O	Write enable signal output to the S-RAM
46	VDDE	-	Power supply terminal (+3.3V)
47	WMD1	I	External memory wait mode setting terminal Fixed at "H" in this set
48	VSS	-	Ground terminal

Pin No.	Pin Name	I/O	Description
49	WMD0	I	External memory wait mode setting terminal Fixed at "H" in this set
50	PAGE2	O	External memory page selection signal output terminal Not used
51	VSS	-	Ground terminal
52, 53	PAGE1, PAGE0	O	External memory page selection signal output terminal Not used
54	BOOT	I	Boot mode control signal input terminal Not used
55	BTACT	O	Boot mode state display signal output terminal Not used
56	BST	I	Boot strap signal input from the system controller
57	MOD1	I	Operation mode setting terminal "L": enhanced mode, "H": normal mode Fixed at "H" in this set
58	MOD0	I	Operation mode setting terminal "L": single chip mode, "H": can not use Fixed at "L" in this set
59	EXLOCK	I	PLL lock error signal and data error flag input from the digital audio interface receiver
60	VDDI	-	Power supply terminal (+2.5V)
61	VSS	-	Ground terminal
62, 63	A17, A16	O	Address signal output terminal Not used
64 to 66	A15 to A13	O	Address signal output to the S-RAM
67	GP10	I	L/R sampling clock signal (44.1 kHz) input terminal
68	GP9	O	Read ready signal output to the system controller
69	GP8	I	Channel status bit 1 input from the digital audio interface receiver
70	VDDI	-	Power supply terminal (+2.5V)
71	VSS	-	Ground terminal
72 to 75	D15/GP7 to D12/GP4	I/O	Two-way data bus with the S-RAM
76	VDDE	-	Power supply terminal (+3.3V)
77 to 80	D11/GP3 to D8/GP0	I/O	Two-way data bus with the S-RAM
81	VSS	-	Ground terminal
82 to 85	A9, A12 to A10	O	Address signal output to the S-RAM
86	TDO	O	Simplicity emulation data output terminal Not used
87	TMS	I	Simplicity emulation data input start and end terminal Not used
88	XTRST	I	Simplicity emulation non-sync break signal input terminal Not used
89	TCK	I	Simplicity emulation clock signal input terminal Not used
90	TDI	I	Simplicity emulation data input terminal Not used
91	VSS	-	Ground terminal
92 to 97	A8 to A3	O	Address signal output to the S-RAM
98, 99	D7, D6	I/O	Two-way data bus with the S-RAM
100	VDDI	-	Power supply terminal (+2.5V)
101	VSS	-	Ground terminal
102 to 105	D5 to D2	I/O	Two-way data bus with the S-RAM
106	VDDE	-	Power supply terminal (+3.3V)
107, 108	D1, D0	I/O	Two-way data bus with the S-RAM
109, 110	A2, A1	O	Address signal output to the S-RAM
111	VSS	-	Ground terminal
112	A0	O	Address signal output to the S-RAM
113	PM	I	PLL initialize signal input from the system controller
114, 115	SDI3, SDI4	I	Audio serial data input terminal Not used
116	SYNC	I	Sync/non-sync setting terminal "L": sync, "H": non-sync Fixed at "H" in this set
117 to 119	VSS	-	Ground terminal
120	VDDI	-	Power supply terminal (+2.5V)

DIGITAL BOARD IC1703 MB91154PFV-G-121-BNDE1 (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	PW RY	O	Relay drive signal output terminal (for main power) "H": relay on
2	H/P RY	O	Relay drive signal output terminal (for headphone) "H": relay on
3	SP.A.RY	O	Relay drive signal output terminal (for front A speaker) "H": relay on
4	SP B RY	O	Relay drive signal output terminal (for front B speaker) "H": relay on
5	SURR.RY	O	Relay drive signal output terminal (for surround speaker) "H": relay on
6	CTR/SW RY	O	Relay drive signal output terminal (for sub woofer) "H": relay on
7	SB.RY	O	Relay drive signal output terminal (for center/surround back speaker) "H": relay on
8	SUB T	O	Relay drive signal output terminal (for standby power) "H": relay on
9	VSS	-	Ground terminal
10	FUNCTION.JOG (2B)	I	Jog dial pulse input from the rotary encoder (B phase input) (for INPUT SELECTOR)
11	FUNCTION.JOG (2A)	I	Jog dial pulse input from the rotary encoder (A phase input) (for INPUT SELECTOR)
12	VOL.JOG (1B)	I	Jog dial pulse input from the rotary encoder (B phase input) (for MASTER VOLUME)
13	VOL.JOG (1A)	I	Jog dial pulse input from the rotary encoder (A phase input) (for MASTER VOLUME)
14	FL CLK	O	Serial data transfer clock signal output to the fluorescent indicator tube driver
15	FL DATA	O	Serial data output to the fluorescent indicator tube driver
16	+/-JOG (4B)	I	Jog dial pulse input from the rotary encoder (B phase input) (for MENU)
17	+/-JOG (4A)	I	Jog dial pulse input from the rotary encoder (A phase input) (for MENU)
18	+/-JOG (3B)	I	Jog dial pulse input from the rotary encoder (B phase input) (for -/+)
19	+/-JOG (3A)	I	Jog dial pulse input from the rotary encoder (A phase input) (for -/+)
20	SP SW	I	Speaker switch input terminal "L": speaker on
21	VOL IC/TUNER DATA	O	Serial data output to the tuner unit, audio selector, video selector and electrical volume
22	VOL IC/TUNER CLK	O	Serial data transfer clock signal output to the tuner unit, audio selector, video selector and electrical volume
23	VOL LAT	O	Serial data latch pulse signal output to the audio selector, video selector and electrical volume
24, 25	NC	-	Not used
26	VSS	-	Ground terminal
27	VCC	-	Power supply terminal (+3.3V)
28	RESET UP CONVERT	-	Not used
29 to 32	NC	-	Not used
33	TP1	-	Not used
34 to 37	NC	O	Not used
38 to 40	TP4 to TP6	O	Not used
41	HP DETECT	I	Headphone detection signal input terminal "H": headphone is connected
42	D.POWER	O	Digital section power on/off control signal output terminal "H": power on
43	V.POWER	O	Video section power on/off control signal output terminal "H": power on
44	VSS	-	Ground terminal
45, 46	NC	-	Not used
47	RDS.DATA	I	RDS serial data input from the tuner unit (AEP and UK models only)
48	TUNER ST	I	FM stereo detection signal input from the tuner unit
49	TUNER TUNED	I	Tuned detection signal input from the tuner unit
50	TUNER MUTE	O	Muting request control signal output to the tuner unit

Pin No.	Pin Name	I/O	Description
51	NC	-	Not used
52 to 54	MD2 to MD0	-	Not used
55	RSTX	I	System reset signal input from the reset signal generator "L": reset For several hundreds msec. after the power supply rises, "L" is input, then it changes to "H"
56	VCC	-	Power supply terminal (+3.3V)
57	X1	O	System clock output terminal (16.5 MHz)
58	X0	I	System clock input terminal (16.5 MHz)
59	VSS	-	Ground terminal
60	STOP	I	AC off detection signal input terminal
61	RDS_ CLK	I	RDS interrupt clock signal input from the tuner unit (AEP and UK models only)
62	POWER.ON/OFF	I	Power key input terminal "L": power on
63	SIRCS	I	Sircs signal input terminal
64	NC	-	Not used
65	TUNER DO	I	Serial data input from the tuner unit
66	TUNER LATCH	O	Serial data latch pulse signal output to the tuner unit
67	DIR ERROR	I	PLL lock error signal and data error flag input from the digital audio interface receiver
68	VCC	-	Power supply terminal (+3.3V)
69, 70	OPT SEL2, OPT SEL1	O	Digital input selection signal output terminal
71	XSTATE	I	Source clock selection monitor input from the digital audio interface receiver
72	DATA0	I	Audio serial data input from the digital audio interface receiver
73	XMODE	O	System reset signal output to the digital audio interface receiver "L": reset
74	CKSEL1	O	Output clock selection signal output to the digital audio interface receiver
75	CLK	O	Clock signal output to the digital audio interface receiver
76	CE	O	Chip enable signal output to the digital audio interface receiver
77	VCC	-	Power supply terminal (+3.3V)
78	NC	-	Not used
79	DI	O	Write data output to the digital audio interface receiver
80	DO	I	Read data input from the digital audio interface receiver
81	GROUP SW	O	Data selection signal output terminal
82	LRCK SW	O	Signal selection signal output terminal "L": boot strap signal, "H": L/R sampling clock signal
83	PCM IMITATION	-	Not used
84	NC	-	Not used
85	DSP_BST	O	Boot strap signal output to the audio digital signal processor
86	CONTROL. A1.IN	I	Sircs signal input for CONTROL A1 II
87	CONTROL. A1.OUT	O	Sircs signal output for CONTROL A1 II
88	DSP GP9	I	Read ready signal input from the audio digital signal processor
89	DSP_HCS	O	Chip select signal output to the audio digital signal processor
90	DSP_HACN	I	Acknowledge signal input from the audio digital signal processor
91	ADC:RST	O	System reset signal output to the A/D converter "L": reset
92	DAC_RST	O	System reset signal output to the D/A converter "L": reset
93	DA1LAT	O	Serial data latch pulse signal output to the D/A converter
94	DACCLK	O	Serial data transfer clock signal output to the D/A converter
95	DAC_MDI	O	Serial data output to the D/A converter
96	DA2LAT	O	Serial data latch pulse signal output to the D/A converter

Pin No.	Pin Name	I/O	Description
97	VCC	-	Power supply terminal (+3.3V)
98	VSS	-	Ground terminal
99	$\overline{\text{UP CON SDA}}$	O	Serial data output to the video sync separator
100	$\overline{\text{UP CON SCL}}$	O	Serial data transfer clock signal output to the video sync separator
101	VSS	-	Ground terminal
102	HDOUT	I	Serial data input from the audio digital signal processor
103	HDIN	O	Serial data output to the audio digital signal processor
104	HCLK	O	Serial data transfer clock signal output to the audio digital signal processor
105	GP12	O	Write signal output to the audio digital signal processor
106	XRST	O	System reset signal output to the audio digital signal processor "L": reset
107	PM1	O	PLL initialize signal output to the audio digital signal processor
108	DA1DO	I	Serial data input from the D/A converter
109, 110	SOT1, SIN1	-	Not used
111	$\overline{\text{EEPROM SCL}}$	O	Serial data transfer clock signal output to the EEPROM
112	$\overline{\text{EEPROM SDA}}$	I/O	Two-way data bus with the EEPROM
113	FL STB	O	Strobe signal output to the fluorescent indicator tube driver
114 to 117	VIDEO_SW1 to VIDEO_SW4	O	Video selection signal output terminal
118	PROTECTOR	I	Protect detection signal input from the protect circuit
119	LIMITTER.OUT	O	Output voltage control signal output terminal
120	FUNCTION.SW. LAT	O	Serial data latch pulse signal selection signal output terminal "L": for electrical volume, "H": for function switch
121	ANALOG_ DIGITAL	O	Analog/digital selection signal output terminal "L": analog, "H": digital
122	VCC	-	Power supply terminal (+3.3V)
123 to 125	NC	-	Not used
126	DAVS	-	Power supply terminal (+3.3V) (for internal D/A converter)
127	DAVC	-	Ground terminal (for internal D/A converter)
128	AVCC	-	Power supply terminal (+3.3V) (for analog)
129	AVRH	I	Reference voltage (+3.3V) input terminal
130	AVRL	I	Reference voltage (0V) input terminal
131	AVSS	-	Ground terminal (for analog)
132, 133	AD1, AD2	I	Front panel key input terminal (A/D input)
134	LIMITTER.IN	I	Voltage limit detection signal input terminal
135	RDS_SIGNAL	I	RDS signal input from the tuner unit (AEP and UK models only)
136	AD5 (NC)	-	Not used
137	NC	-	Not used
138	VERSION	I	Destination setting terminal
139	NC	-	Not used
140	VCC2	-	Power supply terminal (+3.3V)
141	BACKUP	-	Not used
142	GND	-	Ground terminal
143	OPEN	-	Not used
144	VSS	-	Ground terminal

SECTION 7

EXPLODED VIEWS

NOTE:

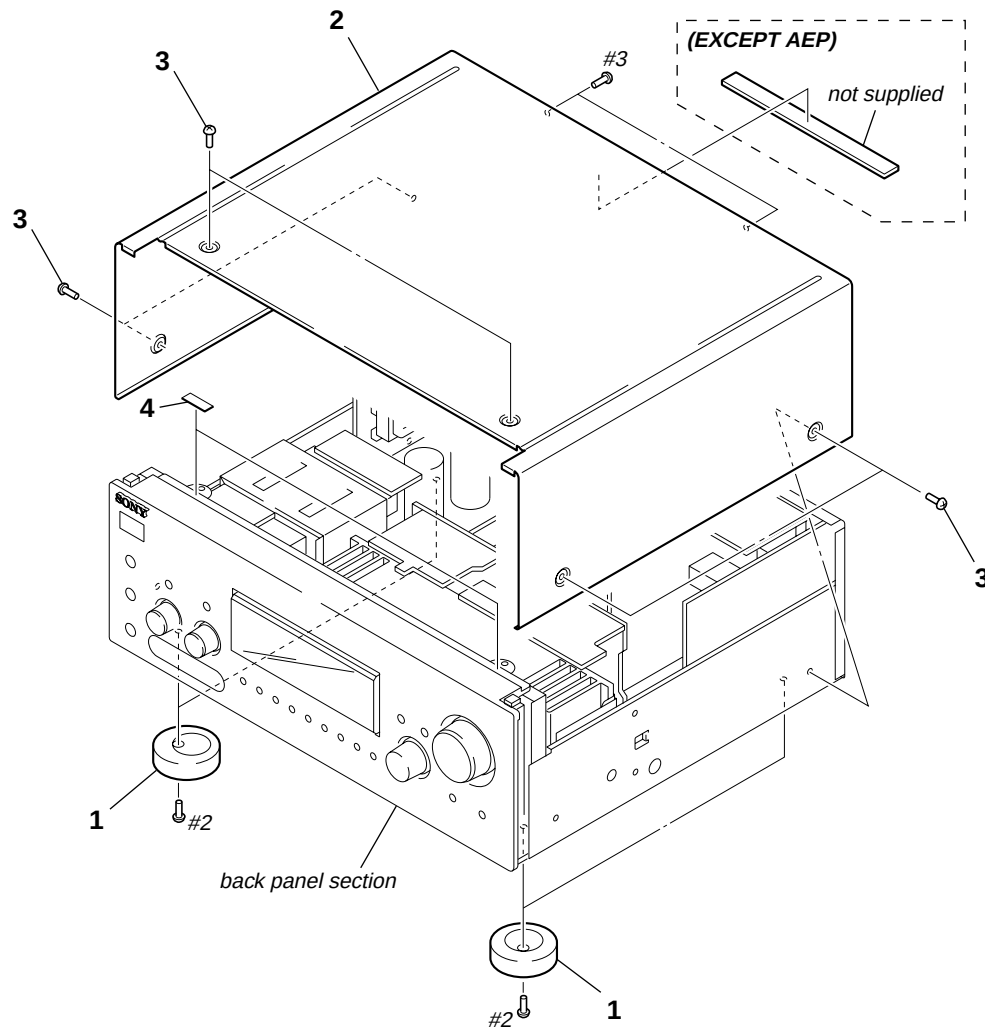
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
Example:
KNOB, BALANCE (WHITE) . . . (RED)

↑
Parts Color

↑
Cabinet's Color
- Abbreviation
 AUS : Australian model MY : Malaysia model TW : Taiwan model
 KR : Korean model SP : Singapore model
- Color variation
 SILVER : AEP, UK, Australian
 GOLD : Korean, Singapore, Malaysia, Taiwan
 BLACK : AEP, UK, Australian
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Accessories are given in the last of the electrical parts list.

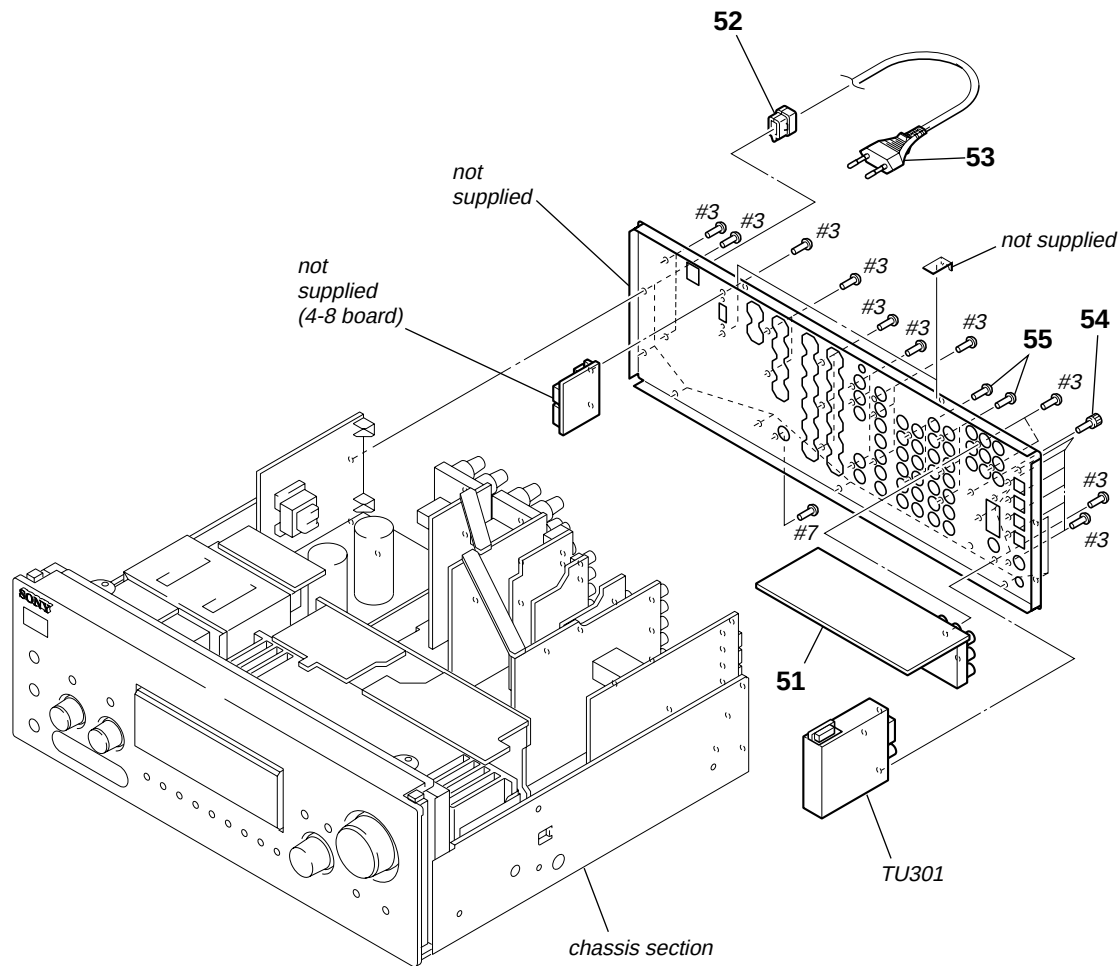
The components identified by mark  or dotted line with mark  are critical for safety.
Replace only with part number specified.

7-1. CASE SECTION



<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
1	X-2022-910-1	FOOT ASSY		3	4-227-843-31	SCREW (TP), FLAT HEAD (SILVER, GOLD)	
2	4-248-594-01	CASE (414535) (SILVER)		4	4-860-518-00	CUSHION	
2	4-248-594-21	CASE (414535) (GOLD)		#2	7-685-885-09	SCREW +BVTT 4X16 (S)	
2	4-900-512-02	CASE (414535) (BLACK)		#3	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
3	4-227-843-03	SCREW (TP). FLAT HEAD (BLACK)					

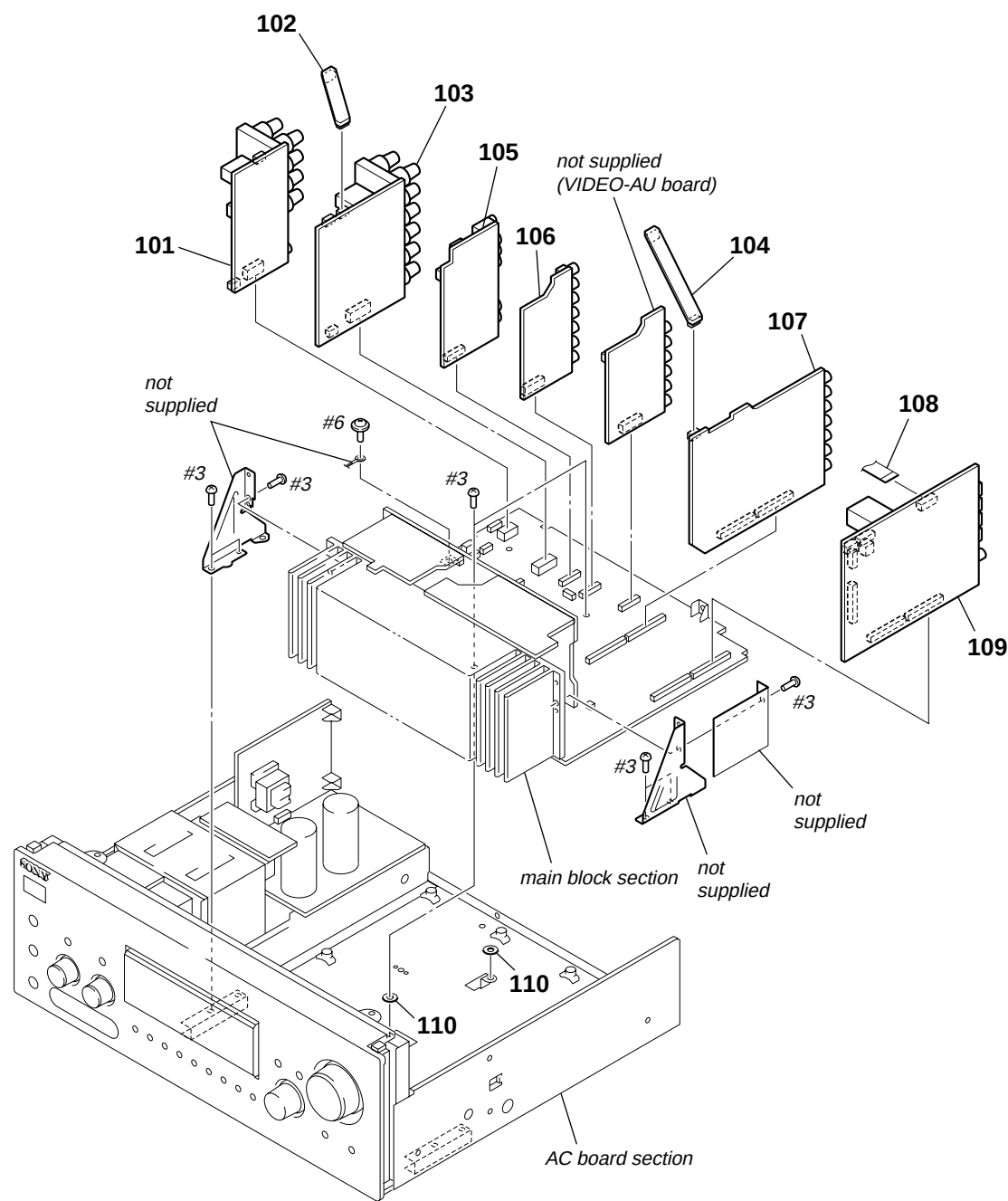
7-2. CHASSIS SECTION-1



The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety.
Replace only with part number specified.

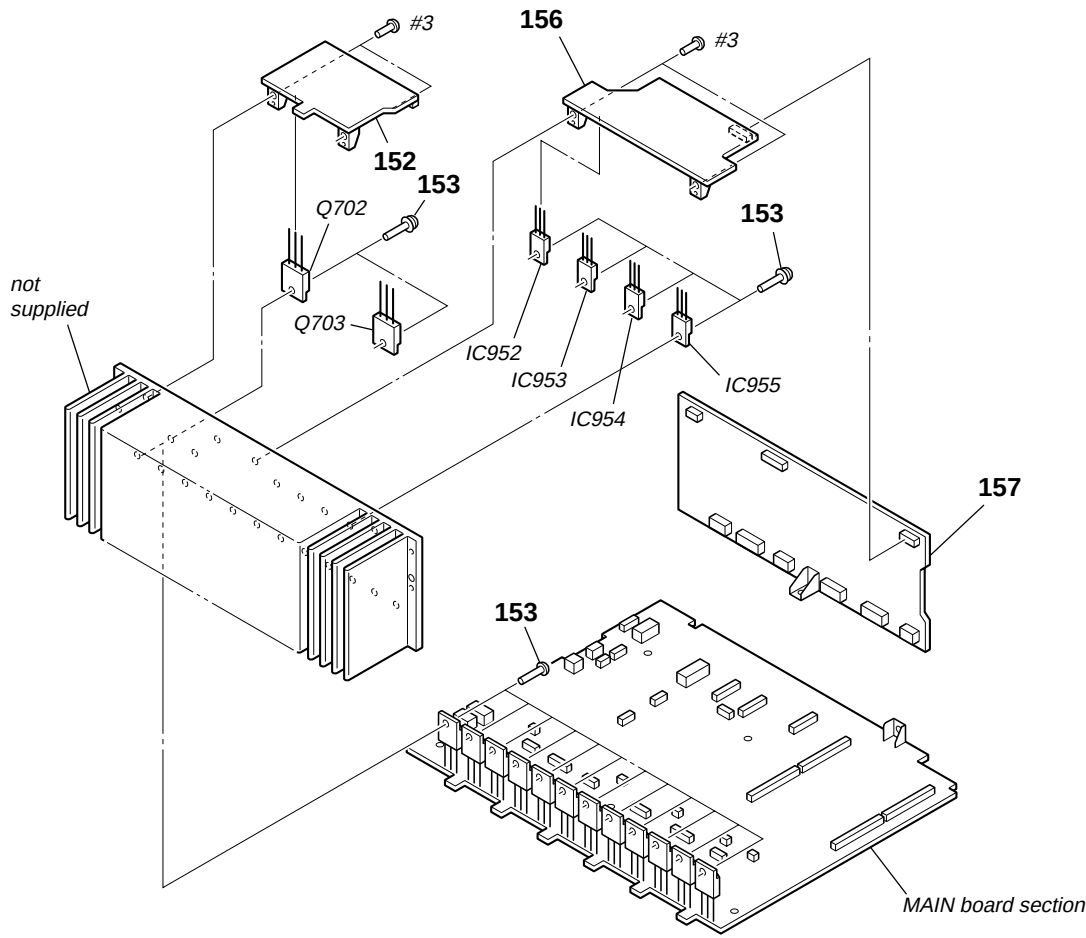
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	A-1054-326-A	COMP-V BOARD, COMPLETE	(EXCEPT TW, KR)	$\triangle$ 53	1-829-626-11	CORD, POWER (AEP, UK)	
51	A-1070-813-A	COMP-V BOARD, COMPLETE		54	4-947-010-01	SCREW, FEEDER FIXED	
* 52	3-703-244-00	BUSHING (2104), CORD	(TW, KR)	55	4-974-510-11	SCREW (+BV 3X8 CU)	
$\triangle$ 53	1-696-847-22	CORD, POWER (AUS)		TU301	1-693-578-21	TUNER (AEP, UK)	
$\triangle$ 53	1-769-079-23	CORD, POWER (KR)		TU301	1-693-580-24	TUNER (SP, MY, TW, KR, AUS)	
$\triangle$ 53	1-777-071-23	CORD, POWER (SP, MY)		#3	7-685-646-79	SCREW +BVTP 3X8 TYPE IT-3	
$\triangle$ 53	1-827-597-41	CORD, POWER (TW)		#7	7-685-647-79	SCREW +BVTP 3X10 TYPE IT-3	

7-3. CHASSIS SECTION-2



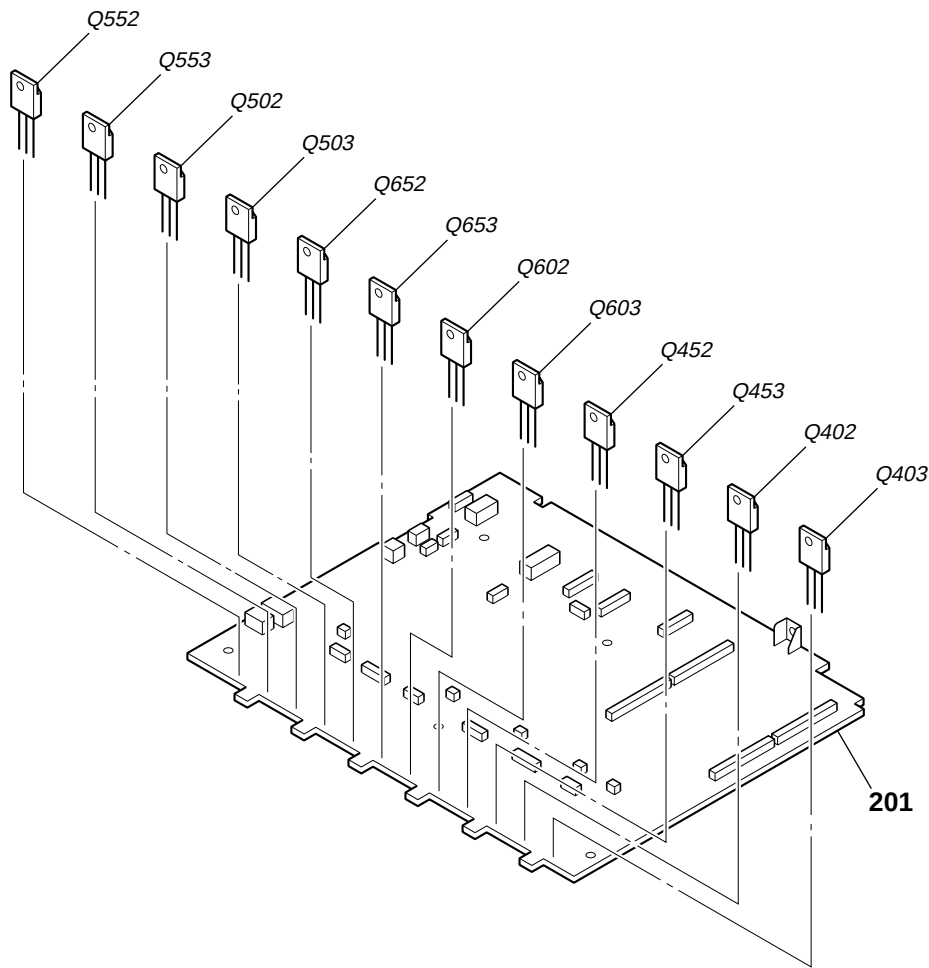
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	1-863-053-11	SP-B BOARD		108	1-773-002-11	WIRE (FLAT TYPE) (15 CORE) (AEP, UK)	
102	1-863-050-11	STAY 4 BOARD		109	A-1054-338-A	DIGITAL BOARD, COMPLETE (AEP, UK)	
103	1-863-052-11	SP-A BOARD		109	A-1055-433-A	DIGITAL BOARD, COMPLETE (SP, MY)	
104	1-863-054-11	STAY 3 BOARD		109	A-1070-832-A	DIGITAL BOARD, COMPLETE (TW, KR)	
105	A-1054-327-A	S-VIDEO BOARD, COMPLETE		109	A-1070-859-A	DIGITAL BOARD, COMPLETE (AUS)	
106	1-688-645-11	VIDEO BOARD		110	4-971-099-01	WASHER (P)	
107	A-1054-319-A	AU-IN BOARD, COMPLETE		#3	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
108	1-769-938-11	WIRE (FLAT TYPE) (11 CORE)		#6	7-682-948-01	SCREW +PSW 3X8	
		(SP, MY, TW, KR, AUS)					

7-4. MAIN BLOCK SECTION



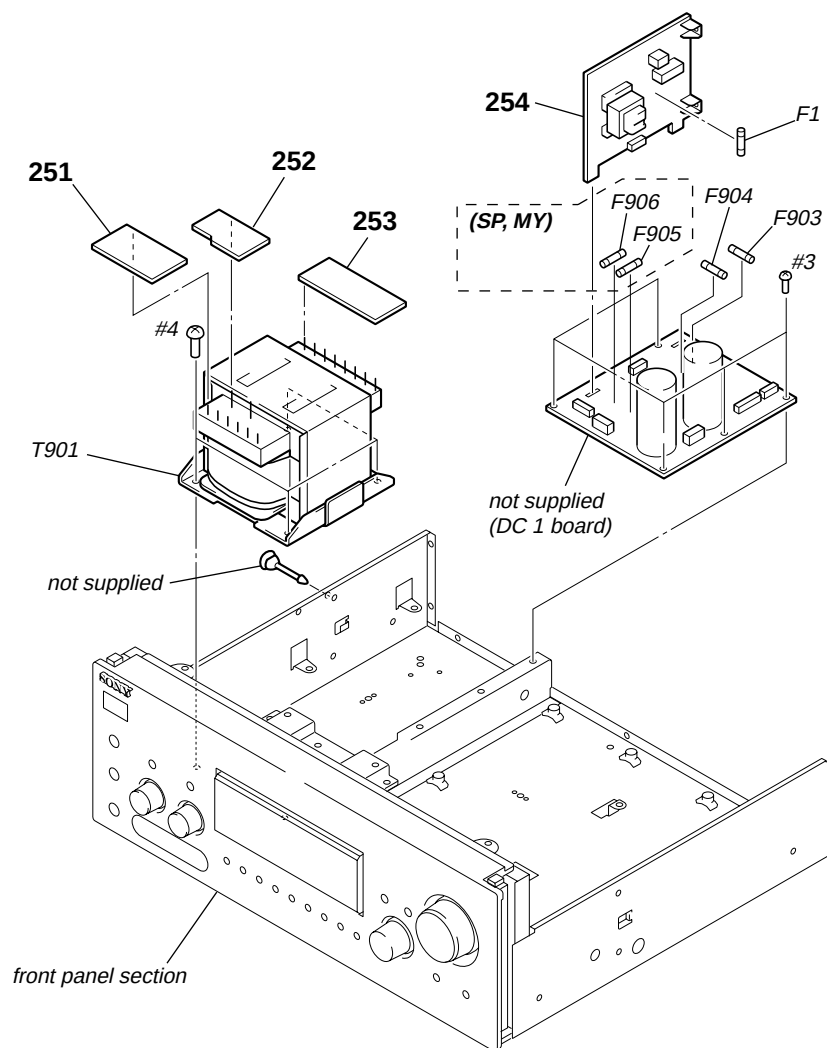
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
152	A-1054-419-A	SBL BOARD, COMPLETE		IC954	8-759-245-87	IC TA79015S	
153	3-905-609-11	SCREW (TRANSISTOR)		IC955	8-759-231-59	IC TA7815S	
156	A-1054-282-A	DC2 BOARD, COMPLETE		Q702	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
157	A-1054-281-A	A CLASS BOARD, COMPLETE		Q703	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
IC952	8-759-231-53	IC TA7805S		#3	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
IC953	8-759-231-53	IC TA7805S					

7-5. MAIN BOARD BLOCK



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
201	A-1054-310-A	MAIN BOARD, COMPLETE		Q552	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q402	6-702-390-01	TRANSISTOR MN2488-OPY-MK		Q553	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q403	6-702-391-01	TRANSISTOR MP1620-OPY-MK		Q602	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q452	6-702-390-01	TRANSISTOR MN2488-OPY-MK		Q603	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q453	6-702-391-01	TRANSISTOR MP1620-OPY-MK		Q652	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q502	6-702-390-01	TRANSISTOR MN2488-OPY-MK		Q653	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q503	6-702-391-01	TRANSISTOR MP1620-OPY-MK					

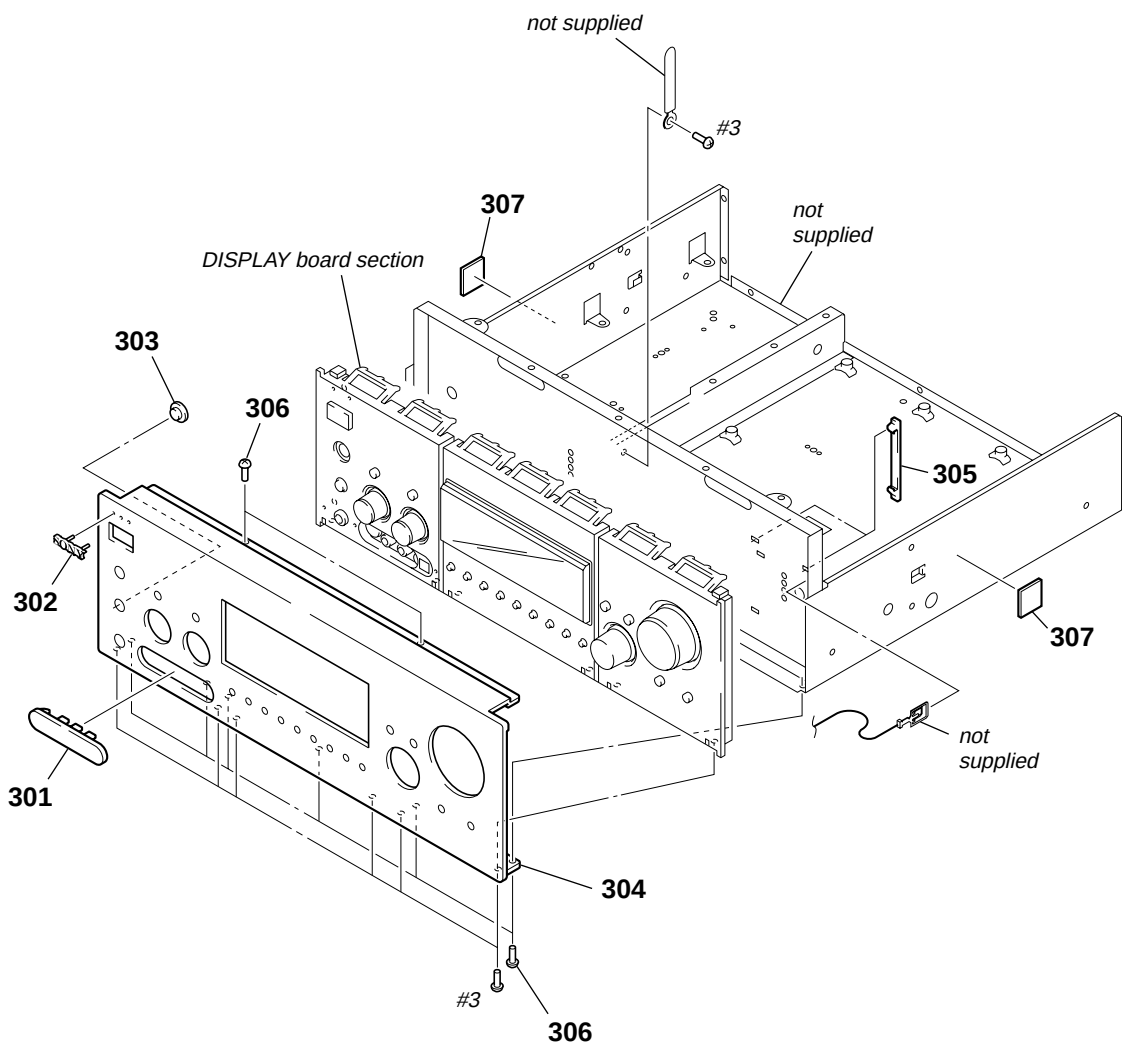
7-6. CHASSIS SECTION-3



The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety.
Replace only with part number specified.

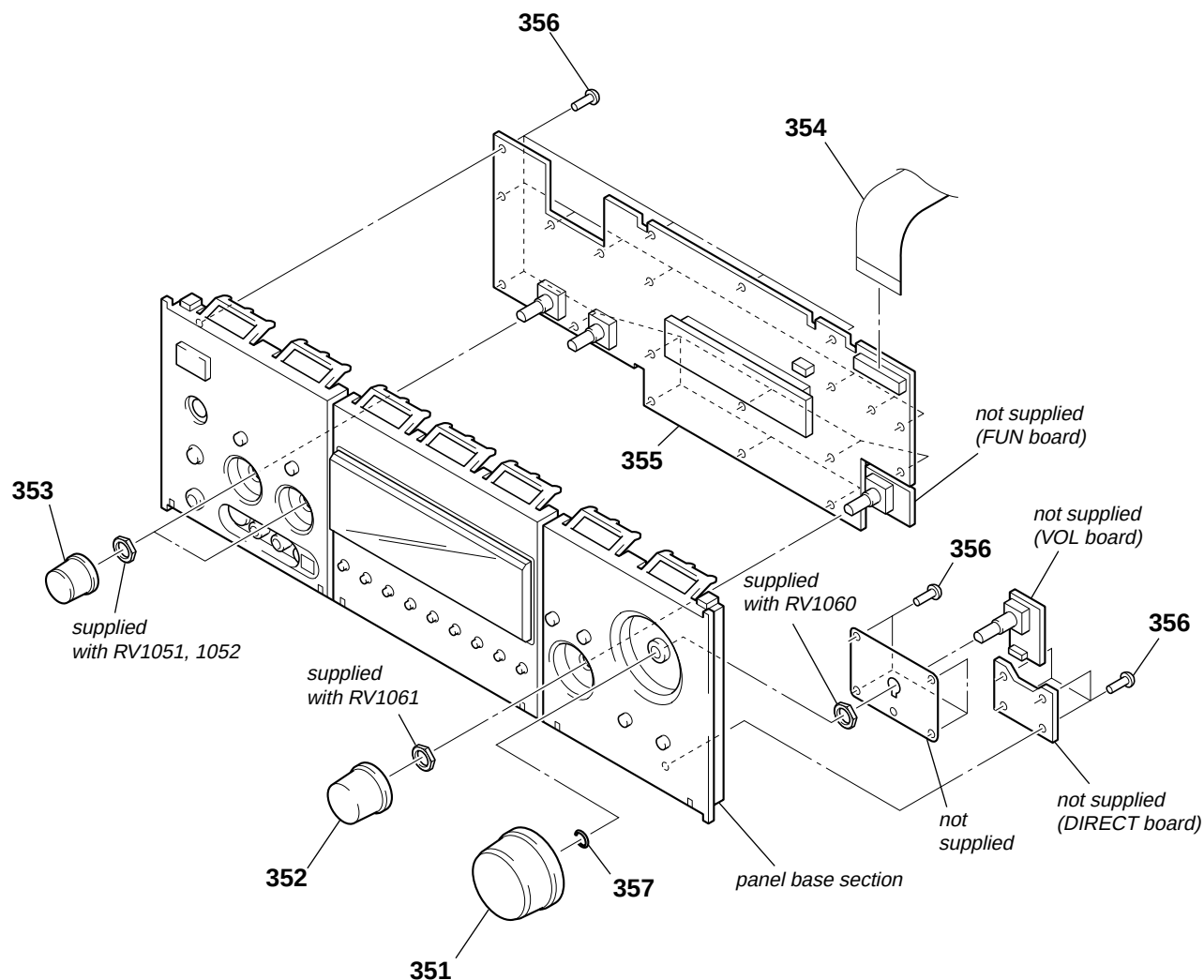
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
251	1-689-176-11	SEC (3) BOARD		△ F905	1-533-312-11	FUSE, GLASS CYLINDRICAL (DIA.5)	
252	1-689-173-11	PRI BOARD				(10A/125V) (SP, MY)	
253	1-689-174-11	SEC (1) BOARD		△ F906	1-533-312-11	FUSE, GLASS CYLINDRICAL (DIA.5)	
254	1-863-051-11	AC BOARD				(10A/125V) (SP, MY)	
△ F1	1-532-504-51	FUSE (T4AL/250V) (EXCEPT TW)		△ T901	1-443-436-11	POWER TRANSFORMER (TW)	
				△ T901	1-443-437-11	POWER TRANSFORMER (SP, MY)	
△ F1	1-533-312-11	FUSE, GLASS CYLINDRICAL (DIA.5)		△ T901	1-443-438-11	POWER TRANSFORMER (AEP, UK, KR, AUS)	
		(10A/125V) (TW)					
△ F903	1-532-465-32	FUSE (T3.15AL/250V)		#3	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
△ F904	1-532-465-32	FUSE (T3.15AL/250V)		#4	7-685-881-09	SCREW +BVTT 4X8 (S)	

7-7. FRONT PANEL BLOCK-1



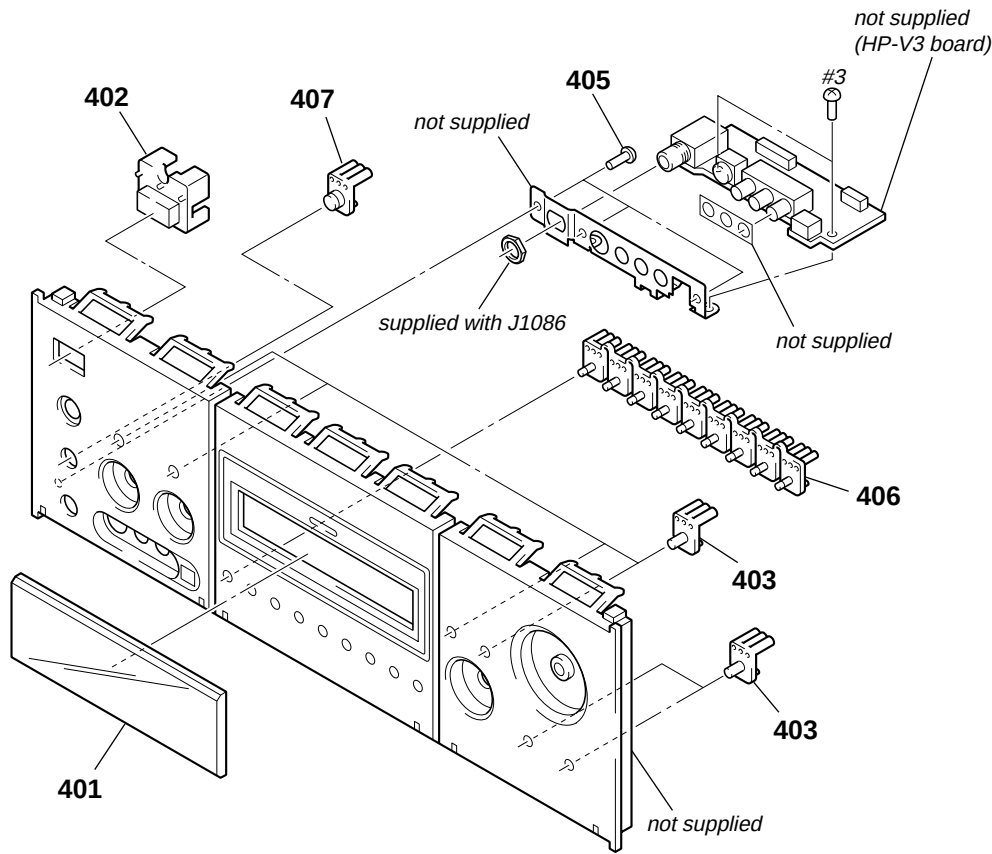
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
301	X-4955-963-2	LID ASSY (BLACK)		304	2-050-931-21	FRONT PANEL (AL DB795) (SILVER) (AEP, UK)	
301	X-4955-967-1	LID ASSY (GOLD)		304	2-050-931-31	FRONT PANEL (AL DB795) (SILVER) (AUS)	
301	X-4955-968-2	LID ASSY (SILVER)		304	2-050-931-41	FRONT PANEL (AL DB795) (GOLD)	
302	4-942-568-41	EMBLEM (No. 5), SONY (BLACK)					(SP, MY, KR)
302	4-942-568-51	EMBLEM (No. 5), SONY (GOLD)		305	3-064-084-01	CLAMP (FCR-60), FLAT	
302	4-942-568-61	EMBLEM (No. 5), SONY (SILVER)		306	3-704-515-22	SCREW (BV/RING) (BLACK)	
303	X-4953-000-1	WINDOW ASSY, REMOTE CONTROL		306	3-704-515-32	SCREW (BV/RING) (SILVER, GOLD)	
304	2-050-931-01	FRONT PANEL (AL DB795) (BLACK) (AEP, UK)		307	4-985-642-01	CUSHION	
304	2-050-931-11	FRONT PANEL (AL DB795) (BLACK) (AUS)		#3	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

7-8. FRONT PANEL BLOCK-2



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
351	4-240-507-01	KNOB (VOL) (BLACK)		353	4-245-437-21	KNOB (MENU) (GOLD)	
351	X-4953-671-1	KNOB (VOL-E) ASSY (GOLD)		353	4-245-437-31	KNOB (MENU) (SILVER)	
351	X-4953-672-1	KNOB (VOL-E) ASSY (SILVER)		354	1-773-339-11	WIRE (FLAT TYPE) (31 CORE)	
352	4-232-569-02	KNOB (FN DE9) (BLACK)		355	A-1054-314-A	DISPLAY BOARD, COMPLETE	
352	4-232-569-12	KNOB (FN DE9) (GOLD)		356	4-951-620-01	SCREW (2.6X8), +BVTP	
352	4-232-569-22	KNOB (FN DE9) (SILVER)		357	3-350-426-01	SPRING, RING	
353	4-245-437-01	KNOB (MENU) (BLACK)					

7-9. FRONT PANEL BLOCK-3



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
401	4-245-438-02	PLATE, INDICATION (BLACK)		403	4-245-436-31	BUTTON (MENU) (SILVER)	
401	4-245-438-12	PLATE, INDICATION (GOLD, SILVER)		405	4-951-620-01	SCREW (2.6X8), +BVTP	
402	4-998-592-01	BUTTON (POWER) (BLACK)		406	4-245-435-02	BUTTON (MODE)	
402	4-998-592-12	BUTTON (POWER) (GOLD)		407	4-245-434-01	BUTTON (SP) (BLACK)	
402	4-998-592-31	BUTTON (POWER) (SILVER)		407	4-245-434-21	BUTTON (SP) (GOLD)	
403	4-245-436-01	BUTTON (MENU) (BLACK)		407	4-245-434-31	BUTTON (SP) (SILVER)	
403	4-245-436-21	BUTTON (MENU) (GOLD)		#3	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

SECTION 8

ELECTRICAL PARTS LIST

4-8

A CLASS

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable
- Abbreviation
AUS : Australian model MY : Malaysia model
KR : Korean model SP : Singapore model

- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
In each case, u: μ , for example:
uA... : μ A... uPA... : μ PA...
uPB... : μ PB... uPC... : μ PC...
uPD... : μ PD...
- CAPACITORS
uF: μ F
- COILS
uH: μ H
TW : Taiwan model

The components identified by mark Δ or dotted line with mark Δ are critical for safety.
Replace only with part number specified.

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
		4-8 BOARD					
		< CONNECTOR >					
* CN901	1-564-242-00	PIN, CONNECTOR (3.96mm PITCH) 5P		C2305	1-112-131-11	CAP, ELECT 330uF	
CN902	1-785-101-11	PIN, CONNECTOR (3.96mm PITCH) 3P		C2306	1-102-230-00	CERAMIC 4PF 0.25PF 500V	
		< SWITCH >		C2307	1-102-233-00	CERAMIC 33PF 10% 500V	
S901	1-771-876-11	SWITCH, POWER (IMPEDANCE SELECTOR)		C2308	1-137-383-11	MYLAR 220PF 5% 100V	
*****				C2309	1-137-389-11	MYLAR 0.0022uF 5% 100V	
	A-1054-281-A	A CLASS BOARD, COMPLETE		C2310	1-137-389-11	MYLAR 0.0022uF 5% 100V	
		*****		C2401	1-137-505-11	FILM 220PF 5% 100V	
		< CAPACITOR >		C2402	1-112-103-11	CAP, ELECT 47uF	
C2001	1-137-505-11	FILM 220PF 5% 100V		C2404	1-112-122-11	CAP, ELECT 220uF	
C2002	1-112-103-11	CAP, ELECT 47uF		C2405	1-112-131-11	CAP, ELECT 330uF	
C2004	1-112-122-11	CAP, ELECT 220uF		C2406	1-102-230-00	CERAMIC 4PF 0.25PF 500V	
C2005	1-112-131-11	CAP, ELECT 330uF		C2407	1-102-233-00	CERAMIC 33PF 10% 500V	
C2006	1-102-230-00	CERAMIC 4PF 0.25PF 500V		C2408	1-137-383-11	MYLAR 220PF 5% 100V	
C2007	1-102-233-00	CERAMIC 33PF 10% 500V		C2409	1-137-389-11	MYLAR 0.0022uF 5% 100V	
C2008	1-137-383-11	MYLAR 220PF 5% 100V		C2410	1-137-389-11	MYLAR 0.0022uF 5% 100V	
C2009	1-137-389-11	MYLAR 0.0022uF 5% 100V		C2501	1-137-505-11	FILM 220PF 5% 100V	
C2010	1-137-389-11	MYLAR 0.0022uF 5% 100V		C2502	1-112-103-11	CAP, ELECT 47uF	
C2101	1-137-505-11	FILM 220PF 5% 100V		C2504	1-112-122-11	CAP, ELECT 220uF	
C2102	1-112-103-11	CAP, ELECT 47uF		C2505	1-112-131-11	CAP, ELECT 330uF	
C2104	1-112-122-11	CAP, ELECT 220uF		C2506	1-102-230-00	CERAMIC 4PF 0.25PF 500V	
C2105	1-112-131-11	CAP, ELECT 330uF		C2507	1-102-233-00	CERAMIC 33PF 10% 500V	
C2106	1-102-230-00	CERAMIC 4PF 0.25PF 500V		C2508	1-137-383-11	MYLAR 220PF 5% 100V	
C2107	1-102-233-00	CERAMIC 33PF 10% 500V		C2509	1-137-389-11	MYLAR 0.0022uF 5% 100V	
C2108	1-137-383-11	MYLAR 220PF 5% 100V		C2510	1-137-389-11	MYLAR 0.0022uF 5% 100V	
C2109	1-137-389-11	MYLAR 0.0022uF 5% 100V		C2601	1-128-562-11	ELECT 47uF 100V	
C2110	1-137-389-11	MYLAR 0.0022uF 5% 100V		C2602	1-128-562-11	ELECT 47uF 100V	
C2201	1-137-505-11	FILM 220PF 5% 100V		C2603	1-112-150-11	CAP, ELECT 4.7uF	
C2202	1-112-103-11	CAP, ELECT 47uF		C2605	1-112-151-11	CAP, ELECT 22uF	
C2204	1-112-122-11	CAP, ELECT 220uF		C2606	1-112-151-11	CAP, ELECT 22uF	
C2205	1-112-131-11	CAP, ELECT 330uF				< CONNECTOR >	
C2206	1-102-230-00	CERAMIC 4PF 0.25PF 500V		CN2001	1-770-412-11	CONNECTOR, BOARD TO BOARD 6P	
C2207	1-102-233-00	CERAMIC 33PF 10% 500V		CN2002	1-770-412-11	CONNECTOR, BOARD TO BOARD 6P	
C2208	1-137-383-11	MYLAR 220PF 5% 100V		CN2003	1-778-226-21	CONNECTOR, BOARD TO BOARD 6P	
C2209	1-137-389-11	MYLAR 0.0022uF 5% 100V		CN2004	1-778-226-21	CONNECTOR, BOARD TO BOARD 6P	
C2210	1-137-389-11	MYLAR 0.0022uF 5% 100V		CN2005	1-770-010-21	CONNECTOR, BOARD TO BOARD 4P	
C2301	1-137-505-11	FILM 220PF 5% 100V		CN2101	1-770-407-11	CONNECTOR, BOARD TO BOARD 12P	
C2302	1-112-103-11	CAP, ELECT 47uF		CN2201	1-770-412-11	CONNECTOR, BOARD TO BOARD 6P	
C2304	1-112-122-11	CAP, ELECT 220uF		CN2301	1-770-406-11	CONNECTOR, BOARD TO BOARD 10P	
				CN2401	1-770-407-11	CONNECTOR, BOARD TO BOARD 12P	
						< DIODE >	
				D2001	8-719-109-89	DIODE RD5.6ESB2	

A CLASS

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description				Remark
D2101	8-719-109-89	DIODE RD5.6ESB2					△ R2014	1-249-406-11	CARBON	120	5%	1/4W F	
D2201	8-719-109-89	DIODE RD5.6ESB2					△ R2015	1-249-406-11	CARBON	120	5%	1/4W F	
D2301	8-719-109-89	DIODE RD5.6ESB2											
D2401	8-719-109-89	DIODE RD5.6ESB2					R2016	1-259-464-61	CARBON	33K	5%	1/6W	
							R2019	1-259-408-61	CARBON	150	5%	1/6W	
D2501	8-719-109-89	DIODE RD5.6ESB2					R2101	1-259-428-61	CARBON	1K	5%	1/6W	
D2601	8-719-110-42	DIODE RD15ESB3					R2102	1-259-470-61	CARBON	56K	5%	1/6W	
D2603	8-719-991-33	DIODE 1SS133T-77					R2103	1-259-416-61	CARBON	330	5%	1/6W	
D2604	8-719-991-33	DIODE 1SS133T-77											
< TRANSISTOR >													
Q2001	8-729-045-15	TRANSISTOR 2SC5169-FG					R2104	1-259-430-61	CARBON	1.2K	5%	1/6W	
Q2003	8-729-119-78	TRANSISTOR 2SC2785-HFE					R2105	1-259-444-61	CARBON	4.7K	5%	1/6W	
Q2004	8-729-199-22	TRANSISTOR 2SA992-FA					R2106	1-259-430-61	CARBON	1.2K	5%	1/6W	
Q2005	8-729-021-74	TRANSISTOR 2SA949-OY					R2107	1-259-422-61	CARBON	560	5%	1/6W	
Q2006	8-729-021-73	TRANSISTOR 2SC2229-OY					R2108	1-259-440-61	CARBON	3.3K	5%	1/6W	
Q2101	8-729-045-15	TRANSISTOR 2SC5169-FG					R2109	1-249-681-31	CARBON	2.2K	5%	1/4W	
Q2103	8-729-119-78	TRANSISTOR 2SC2785-HFE					R2110	1-249-715-31	CARBON	56K	5%	1/4W	
Q2104	8-729-199-22	TRANSISTOR 2SA992-FA					R2111	1-259-476-61	CARBON	100K	5%	1/6W	
Q2105	8-729-021-74	TRANSISTOR 2SA949-OY					R2112	1-259-476-61	CARBON	100K	5%	1/6W	
Q2106	8-729-021-73	TRANSISTOR 2SC2229-OY					△ R2113	1-249-413-11	CARBON	470	5%	1/4W F	
Q2201	8-729-045-15	TRANSISTOR 2SC5169-FG					△ R2114	1-249-406-11	CARBON	120	5%	1/4W F	
Q2203	8-729-119-78	TRANSISTOR 2SC2785-HFE					△ R2115	1-249-406-11	CARBON	120	5%	1/4W F	
Q2204	8-729-199-22	TRANSISTOR 2SA992-FA					R2116	1-259-464-61	CARBON	33K	5%	1/6W	
Q2205	8-729-021-74	TRANSISTOR 2SA949-OY					R2119	1-259-408-61	CARBON	150	5%	1/6W	
Q2206	8-729-021-73	TRANSISTOR 2SC2229-OY					R2201	1-259-428-61	CARBON	1K	5%	1/6W	
Q2301	8-729-045-15	TRANSISTOR 2SC5169-FG					R2202	1-259-470-61	CARBON	56K	5%	1/6W	
Q2303	8-729-119-78	TRANSISTOR 2SC2785-HFE					R2203	1-259-416-61	CARBON	330	5%	1/6W	
Q2304	8-729-199-22	TRANSISTOR 2SA992-FA					R2204	1-259-430-61	CARBON	1.2K	5%	1/6W	
Q2305	8-729-021-74	TRANSISTOR 2SA949-OY					R2205	1-259-444-61	CARBON	4.7K	5%	1/6W	
Q2306	8-729-021-73	TRANSISTOR 2SC2229-OY					R2206	1-259-430-61	CARBON	1.2K	5%	1/6W	
Q2401	8-729-045-15	TRANSISTOR 2SC5169-FG					R2207	1-259-422-61	CARBON	560	5%	1/6W	
Q2403	8-729-119-78	TRANSISTOR 2SC2785-HFE					R2208	1-259-440-61	CARBON	3.3K	5%	1/6W	
Q2404	8-729-199-22	TRANSISTOR 2SA992-FA					R2209	1-249-681-31	CARBON	2.2K	5%	1/4W	
Q2405	8-729-021-74	TRANSISTOR 2SA949-OY					R2210	1-249-715-31	CARBON	56K	5%	1/4W	
Q2406	8-729-021-73	TRANSISTOR 2SC2229-OY					R2211	1-259-476-61	CARBON	100K	5%	1/6W	
Q2501	8-729-045-15	TRANSISTOR 2SC5169-FG					R2212	1-259-476-61	CARBON	100K	5%	1/6W	
Q2503	8-729-119-78	TRANSISTOR 2SC2785-HFE					△ R2213	1-249-413-11	CARBON	470	5%	1/4W F	
Q2504	8-729-199-22	TRANSISTOR 2SA992-FA					△ R2214	1-249-406-11	CARBON	120	5%	1/4W F	
Q2505	8-729-021-74	TRANSISTOR 2SA949-OY					△ R2215	1-249-406-11	CARBON	120	5%	1/4W F	
Q2506	8-729-021-73	TRANSISTOR 2SC2229-OY					R2216	1-259-464-61	CARBON	33K	5%	1/6W	
Q2601	8-729-021-82	TRANSISTOR 2SD2396K					R2219	1-259-408-61	CARBON	150	5%	1/6W	
Q2602	8-729-024-93	TRANSISTOR 2SB1565E					R2301	1-259-428-61	CARBON	1K	5%	1/6W	
Q2603	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA					R2302	1-259-470-61	CARBON	56K	5%	1/6W	
							R2303	1-259-416-61	CARBON	330	5%	1/6W	
							R2304	1-259-430-61	CARBON	1.2K	5%	1/6W	
< RESISTOR >													
R2001	1-259-428-61	CARBON	1K	5%	1/6W		R2305	1-259-444-61	CARBON	4.7K	5%	1/6W	
R2002	1-259-470-61	CARBON	56K	5%	1/6W		R2306	1-259-430-61	CARBON	1.2K	5%	1/6W	
R2003	1-259-416-61	CARBON	330	5%	1/6W		R2307	1-259-422-61	CARBON	560	5%	1/6W	
R2004	1-259-430-61	CARBON	1.2K	5%	1/6W		R2308	1-259-440-61	CARBON	3.3K	5%	1/6W	
R2005	1-259-444-61	CARBON	4.7K	5%	1/6W		R2309	1-249-681-31	CARBON	2.2K	5%	1/4W	
R2006	1-259-430-61	CARBON	1.2K	5%	1/6W		R2310	1-249-715-31	CARBON	56K	5%	1/4W	
R2007	1-259-422-61	CARBON	560	5%	1/6W		R2311	1-259-476-61	CARBON	100K	5%	1/6W	
R2008	1-259-440-61	CARBON	3.3K	5%	1/6W		R2312	1-259-476-61	CARBON	100K	5%	1/6W	
R2009	1-249-681-31	CARBON	2.2K	5%	1/4W		△ R2313	1-249-413-11	CARBON	470	5%	1/4W F	
R2010	1-249-715-31	CARBON	56K	5%	1/4W		△ R2314	1-249-406-11	CARBON	120	5%	1/4W F	
R2011	1-259-476-61	CARBON	100K	5%	1/6W		△ R2315	1-249-406-11	CARBON	120	5%	1/4W F	
R2012	1-259-476-61	CARBON	100K	5%	1/6W		R2316	1-259-464-61	CARBON	33K	5%	1/6W	
△ R2013	1-249-413-11	CARBON	470	5%	1/4W F		R2319	1-259-408-61	CARBON	150	5%	1/6W	
							R2401	1-259-428-61	CARBON	1K	5%	1/6W	
							R2402	1-259-470-61	CARBON	56K	5%	1/6W	

The components identified by mark △ or dotted line with mark △ are critical for safety.
Replace only with part number specified.

A CLASS

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AU-IN

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R2403	1-259-416-61	CARBON	330	5%	1/6W	CN51	1-778-227-41	CONNECTOR, BOARD TO BOARD 6P			
R2404	1-259-430-61	CARBON	1.2K	5%	1/6W			< DIODE >			
R2405	1-259-444-61	CARBON	4.7K	5%	1/6W						
R2406	1-259-430-61	CARBON	1.2K	5%	1/6W	D51	8-719-991-33	DIODE 1SS133T-77			
R2407	1-259-422-61	CARBON	560	5%	1/6W	D52	8-719-991-33	DIODE 1SS133T-77			
						D53	8-719-991-33	DIODE 1SS133T-77			
R2408	1-259-440-61	CARBON	3.3K	5%	1/6W	D54	8-719-210-21	DIODE 11EQS04			
R2409	1-249-681-31	CARBON	2.2K	5%	1/4W	D55	8-719-210-21	DIODE 11EQS04			
R2410	1-249-715-31	CARBON	56K	5%	1/4W						
R2411	1-259-476-61	CARBON	100K	5%	1/6W	D56	8-719-210-21	DIODE 11EQS04			
R2412	1-259-476-61	CARBON	100K	5%	1/6W	D57	8-719-210-21	DIODE 11EQS04			
						D58	6-500-522-11	DIODE 10EDB40-TA2B5			
△ R2413	1-249-413-11	CARBON	470	5%	1/4W F			< TRANSISTOR >			
△ R2414	1-249-406-11	CARBON	120	5%	1/4W F						
△ R2415	1-249-406-11	CARBON	120	5%	1/4W F						
R2416	1-259-464-61	CARBON	33K	5%	1/6W	Q51	8-729-119-78	TRANSISTOR 2SC2785-HFE			
R2419	1-259-408-61	CARBON	150	5%	1/6W	Q52	8-729-201-53	TRANSISTOR 2SA1015-GR			
						Q53	8-729-116-02	TRANSISTOR BA1A4M-TP			
						Q54	8-729-119-79	TRANSISTOR 2SC2785-FEK			
R2501	1-259-428-61	CARBON	1K	5%	1/6W			< RESISTOR >			
R2502	1-259-470-61	CARBON	56K	5%	1/6W						
R2503	1-259-416-61	CARBON	330	5%	1/6W						
R2504	1-259-430-61	CARBON	1.2K	5%	1/6W						
R2505	1-259-444-61	CARBON	4.7K	5%	1/6W	△ R2	1-249-381-11	CARBON 1	5%	1/4W F	
						R51	1-249-421-11	CARBON 2.2K	5%	1/4W	
R2506	1-259-430-61	CARBON	1.2K	5%	1/6W	R52	1-249-429-11	CARBON 10K	5%	1/4W	
R2507	1-259-422-61	CARBON	560	5%	1/6W	R53	1-249-415-11	CARBON 680	5%	1/4W	
R2508	1-259-440-61	CARBON	3.3K	5%	1/6W	R54	1-249-437-11	CARBON 47K	5%	1/4W	
R2509	1-249-681-31	CARBON	2.2K	5%	1/4W						
R2510	1-249-715-31	CARBON	56K	5%	1/4W	R55	1-249-435-11	CARBON 33K	5%	1/4W	
						R56	1-249-429-11	CARBON 10K	5%	1/4W	
R2511	1-259-476-61	CARBON	100K	5%	1/6W	R57	1-249-429-11	CARBON 10K	5%	1/4W	
R2512	1-259-476-61	CARBON	100K	5%	1/6W	R58	1-247-807-31	CARBON 100	5%	1/4W	
△ R2513	1-249-413-11	CARBON	470	5%	1/4W F			< RELAY >			
△ R2514	1-249-406-11	CARBON	120	5%	1/4W F						
△ R2515	1-249-406-11	CARBON	120	5%	1/4W F	△ RY1	1-755-541-11	RELAY			
								< TRANSFORMER >			
R2516	1-259-464-61	CARBON	33K	5%	1/6W						
R2519	1-259-408-61	CARBON	150	5%	1/6W						
△ R2601	1-215-873-81	METAL OXIDE	4.7K	5%	1W F						
△ R2602	1-260-107-11	CARBON	4.7K	5%	1/2W F	△ T2	1-437-311-11	TRANSFORMER, POWER (TW)			
△ R2603	1-249-381-11	CARBON	1	5%	1/4W F	△ T2	1-437-313-11	TRANSFORMER, POWER (EXCEPT TW)			

△ R2604	1-249-381-11	CARBON	1	5%	1/4W F			A-1054-319-A	AU-IN BOARD, COMPLETE		
R2605	1-259-420-61	CARBON	470	5%	1/6W				*****		
R2606	1-259-420-61	CARBON	470	5%	1/6W						
R2607	1-259-480-61	CARBON	150K	5%	1/6W						
R2610	1-259-452-61	CARBON	10K	5%	1/6W				< CAPACITOR >		

	1-863-051-11	AC BOARD				C101	1-127-880-11	CERAMIC 0.022uF	10%	50V	
		*****				C102	1-127-880-11	CERAMIC 0.022uF	10%	50V	
						C103	1-127-880-11	CERAMIC 0.022uF	10%	50V	
	1-533-399-31	FUSE HOLDER				C104	1-127-880-11	CERAMIC 0.022uF	10%	50V	
						C105	1-127-880-11	CERAMIC 0.022uF	10%	50V	
		< CAPACITOR >				C106	1-127-880-11	CERAMIC 0.022uF	10%	50V	
C51	1-112-125-11	CAP, ELECT	2200uF			C107	1-128-825-11	CERAMIC 2200PF	5%	50V	
C52	1-136-287-11	FILM	0.0047uF	5%	100V	C110	1-112-090-11	CAP, ELECT 100uF			
C53	1-137-465-11	MYLAR	0.056uF	5%	100V	C111	1-112-090-11	CAP, ELECT 100uF			
C54	1-112-125-11	CAP, ELECT	2200uF			C112	1-112-090-11	CAP, ELECT 100uF			
C55	1-112-140-11	CAP, ELECT	1uF								
						C113	1-112-090-11	CAP, ELECT 100uF			
C56	1-128-817-11	CERAMIC	470PF	5%	50V	C114	1-112-090-11	CAP, ELECT 100uF			
						C115	1-112-090-11	CAP, ELECT 100uF			
		< CONNECTOR >				C120	1-127-876-11	CERAMIC 0.01uF	10%	50V	
						C121	1-127-880-11	CERAMIC 0.022uF	10%	50V	
* CN1	1-565-792-11	PIN, CONNECTOR (3.96mm PITCH) 2P				C122	1-127-880-11	CERAMIC 0.022uF	10%	50V	
CN2	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P				C123	1-128-809-11	CERAMIC 100PF	5%	50V	

The components identified by mark △ or dotted line with mark △ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description	Remark			
C131	1-128-809-11	CERAMIC	100PF	5%	50V	
C132	1-128-809-11	CERAMIC	100PF	5%	50V	
C133	1-128-813-11	CERAMIC	220PF	5%	50V	
C134	1-128-813-11	CERAMIC	220PF	5%	50V	
C135	1-112-141-11	CAP, ELECT	2.2uF			
C136	1-112-141-11	CAP, ELECT	2.2uF			
C137	1-128-809-11	CERAMIC	100PF	5%	50V	
C138	1-128-809-11	CERAMIC	100PF	5%	50V	
C139	1-112-117-11	CAP, ELECT	220uF			
C140	1-112-117-11	CAP, ELECT	220uF			
C141	1-125-896-11	MYLAR	0.0091uF	5%	50V	
C142	1-125-896-11	MYLAR	0.0091uF	5%	50V	
C143	1-136-159-00	MYLAR	0.033uF	5%	50V	
C144	1-136-159-00	MYLAR	0.033uF	5%	50V	
C145	1-112-141-11	CAP, ELECT	2.2uF			
C146	1-112-141-11	CAP, ELECT	2.2uF			
C161	1-127-876-11	CERAMIC	0.01uF	10%	50V	
C171	1-112-090-11	CAP, ELECT	100uF			
C174	1-127-876-11	CERAMIC	0.01uF	10%	50V	
C175	1-128-809-11	CERAMIC	100PF	5%	50V	
C181	1-112-090-11	CAP, ELECT	100uF			
< CONNECTOR >						
CN102	1-764-867-41	CONNECTOR, BOARD TO BOARD 20P				
CN103	1-764-867-41	CONNECTOR, BOARD TO BOARD 20P				
CN104	1-770-011-41	CONNECTOR, BOARD TO BOARD 4P				
< IC >						
IC101	6-703-975-01	IC TC9274N-017				
IC110	8-759-167-88	IC NJM4565D				
IC111	8-759-167-88	IC NJM4565D				
IC112	8-759-167-88	IC NJM4565D				
IC131	8-759-636-74	IC M5218AP-22				
IC171	8-759-167-88	IC NJM4565D				
IC172	8-759-167-88	IC NJM4565D				
IC173	8-759-590-10	IC TC9273F-012 (EL)				
< JACK >						
J101	1-779-599-11	JACK, PIN 6P (ANALOG MULTI CH IN FRONT, SURR, CENTER, SUB WOOFER)				
J131	1-695-188-31	JACK, PIN 4P (ANALOG MD/TAPE OUT, SA-CD/CD IN)				
J151	1-695-188-31	JACK, PIN 4P (ANALOG PHONO IN, MD/TAPE IN)				
< RESISTOR >						
JW145	1-259-412-61	CARBON	220	5%	1/6W	
JW146	1-259-412-61	CARBON	220	5%	1/6W	
JW148	1-259-412-61	CARBON	220	5%	1/6W	
JW154	1-259-412-61	CARBON	220	5%	1/6W	
R101	1-259-428-61	CARBON	1K	5%	1/6W	
R102	1-259-428-61	CARBON	1K	5%	1/6W	
R103	1-259-428-61	CARBON	1K	5%	1/6W	
R104	1-259-428-61	CARBON	1K	5%	1/6W	
R105	1-259-428-61	CARBON	1K	5%	1/6W	
R106	1-259-428-61	CARBON	1K	5%	1/6W	
R110	1-259-468-61	CARBON	47K	5%	1/6W	
R111	1-259-468-61	CARBON	47K	5%	1/6W	

Ref. No.	Part No.	Description			Remark
R112	1-259-468-61	CARBON	47K	5%	1/6W
R113	1-259-468-61	CARBON	47K	5%	1/6W
R114	1-259-468-61	CARBON	47K	5%	1/6W
R115	1-259-468-61	CARBON	47K	5%	1/6W
R119	1-259-428-61	CARBON	1K	5%	1/6W
R131	1-259-436-61	CARBON	2.2K	5%	1/6W
R132	1-259-436-61	CARBON	2.2K	5%	1/6W
R133	1-259-476-61	CARBON	100K	5%	1/6W
R134	1-259-476-61	CARBON	100K	5%	1/6W
R135	1-259-410-61	CARBON	180	5%	1/6W
R136	1-259-410-61	CARBON	180	5%	1/6W
R137	1-259-450-61	CARBON	8.2K	5%	1/6W
R138	1-259-450-61	CARBON	8.2K	5%	1/6W
R139	1-259-476-61	CARBON	100K	5%	1/6W
R140	1-259-476-61	CARBON	100K	5%	1/6W
R141	1-259-404-61	CARBON	100	5%	1/6W
R142	1-259-404-61	CARBON	100	5%	1/6W
R143	1-259-476-61	CARBON	100K	5%	1/6W
R144	1-259-476-61	CARBON	100K	5%	1/6W
R145	1-259-420-61	CARBON	470	5%	1/6W
R146	1-259-420-61	CARBON	470	5%	1/6W
R147	1-259-476-61	CARBON	100K	5%	1/6W
R148	1-259-476-61	CARBON	100K	5%	1/6W
R151	1-259-428-61	CARBON	1K	5%	1/6W
R152	1-259-428-61	CARBON	1K	5%	1/6W
R153	1-259-436-61	CARBON	2.2K	5%	1/6W
R154	1-259-436-61	CARBON	2.2K	5%	1/6W
R155	1-259-428-61	CARBON	1K	5%	1/6W
R156	1-259-428-61	CARBON	1K	5%	1/6W
R171	1-259-452-61	CARBON	10K	5%	1/6W
R172	1-259-456-61	CARBON	15K	5%	1/6W
R173	1-259-444-61	CARBON	4.7K	5%	1/6W
R174	1-259-456-61	CARBON	15K	5%	1/6W
R175	1-259-452-61	CARBON	10K	5%	1/6W
R176	1-259-452-61	CARBON	10K	5%	1/6W
R177	1-259-452-61	CARBON	10K	5%	1/6W
R178	1-259-428-61	CARBON	1K	5%	1/6W
R181	1-259-452-61	CARBON	10K	5%	1/6W
R182	1-259-456-61	CARBON	15K	5%	1/6W
R183	1-259-444-61	CARBON	4.7K	5%	1/6W
R184	1-259-456-61	CARBON	15K	5%	1/6W
R185	1-259-452-61	CARBON	10K	5%	1/6W
R186	1-259-452-61	CARBON	10K	5%	1/6W
R187	1-259-452-61	CARBON	10K	5%	1/6W
△ R840	1-249-399-11	CARBON	33	5%	1/4W F
△ R845	1-249-399-11	CARBON	33	5%	1/4W F

A-1054-326-A		COMP-V BOARD, COMPLETE (EXCEPT TW, KR)			
A-1070-813-A		COMP-V BOARD, COMPLETE (TW, KR)			

< CAPACITOR >					
C352	1-127-888-11	CERAMIC	0.1uF	10%	50V
C353	1-112-129-11	CAP, ELECT	100uF		
C354	1-127-888-11	CERAMIC	0.1uF	10%	50V
C355	1-112-139-11	CAP, ELECT	0.47uF		
C356	1-127-876-11	CERAMIC	0.01uF	10%	50V

The components identified by mark △ or dotted line with mark △ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C357	1-127-876-11	CERAMIC	0.01uF 10% 50V	IC372	6-803-031-01	IC NJM2268D	
C360	1-128-818-11	CERAMIC	560PF 5% 50V			< JACK >	
C361	1-128-816-11	CERAMIC	390PF 5% 50V				
C362	1-112-119-11	CAP, ELECT	470uF	J351	1-817-726-11	JACK, PIN 9P (COMPONENT VIDEO MONITOR OUT, DVD IN, TV/SAT IN)	
C363	1-128-801-11	CERAMIC	22PF 5% 50V			< COIL >	
C364	1-162-201-31	CERAMIC	12PF 5% 50V				
C365	1-112-128-11	CAP, ELECT	47uF	L370	1-410-514-11	INDUCTOR	27uH
C366	1-127-888-11	CERAMIC	0.1uF 10% 50V	L371	1-410-514-11	INDUCTOR	27uH
C367	1-127-876-11	CERAMIC	0.01uF 10% 50V	L372	1-414-189-31	INDUCTOR	100uH
C368	1-112-142-11	CAP, ELECT	4.7uF	L373	1-414-189-31	INDUCTOR	100uH
C369	1-130-495-00	MYLAR	0.1uF 5% 50V	L374	1-410-514-11	INDUCTOR	27uH
C370	1-162-201-31	CERAMIC	12PF 5% 50V				
C371	1-128-801-11	CERAMIC	22PF 5% 50V	L375	1-410-330-21	INDUCTOR	22uH (EXCEPT TW, KR)
C372	1-162-201-31	CERAMIC	12PF 5% 50V	L375	1-410-515-11	INDUCTOR	33uH (TW, KR)
C373	1-128-801-11	CERAMIC	22PF 5% 50V	L376	1-414-189-31	INDUCTOR	100uH
C374	1-112-119-11	CAP, ELECT	470uF	L377	1-414-189-31	INDUCTOR	100uH
C375	1-112-144-11	CAP, ELECT	22uF			< TRANSISTOR >	
C376	1-126-786-11	ELECT	47uF 20% 16V				
C377	1-127-888-11	CERAMIC	0.1uF 10% 50V	Q351	8-729-119-79	TRANSISTOR	2SC2785-FEK
C378	1-127-888-11	CERAMIC	0.1uF 10% 50V	Q352	8-729-119-79	TRANSISTOR	2SC2785-FEK
C379	1-128-812-11	CERAMIC	180PF 5% 50V	Q370	8-729-119-79	TRANSISTOR	2SC2785-FEK
C380	1-127-876-11	CERAMIC	0.01uF 10% 50V	Q371	8-729-119-79	TRANSISTOR	2SC2785-FEK
C381	1-127-876-11	CERAMIC	0.01uF 10% 50V	Q372	8-729-119-79	TRANSISTOR	2SC2785-FEK
C382	1-127-888-11	CERAMIC	0.1uF 10% 50V			< RESISTOR >	
C383	1-112-129-11	CAP, ELECT	100uF				
C384	1-127-888-11	CERAMIC	0.1uF 10% 50V	R357	1-249-421-11	CARBON	2.2K 5% 1/4W
C385	1-127-876-11	CERAMIC	0.01uF 10% 50V	R358	1-249-429-11	CARBON	10K 5% 1/4W
C386	1-112-129-11	CAP, ELECT	100uF	R359	1-249-421-11	CARBON	2.2K 5% 1/4W
C387	1-127-876-11	CERAMIC	0.01uF 10% 50V	R360	1-249-429-11	CARBON	10K 5% 1/4W
C388	1-127-876-11	CERAMIC	0.01uF 10% 50V	R361	1-249-417-11	CARBON	1K 5% 1/4W
C389	1-127-888-11	CERAMIC	0.1uF 10% 50V	R362	1-249-417-11	CARBON	1K 5% 1/4W
C390	1-112-129-11	CAP, ELECT	100uF	R363	1-247-903-00	CARBON	1M 5% 1/4W
C391	1-112-128-11	CAP, ELECT	47uF	R365	1-247-807-31	CARBON	100 5% 1/4W
C392	1-127-888-11	CERAMIC	0.1uF 10% 50V	R366	1-249-807-31	CARBON	100 5% 1/4W
C393	1-162-203-31	CERAMIC	15PF 5% 50V	R367	1-249-429-11	CARBON	10K 5% 1/4W
C394	1-112-141-11	CAP, ELECT	2.2uF	R368	1-249-435-11	CARBON	33K 5% 1/4W
C395	1-127-876-11	CERAMIC	0.01uF 10% 50V	R369	1-249-435-11	CARBON	33K 5% 1/4W
C396	1-112-142-11	CAP, ELECT	4.7uF	R371	1-249-418-11	CARBON	1.2K 5% 1/4W
C397	1-127-876-11	CERAMIC	0.01uF 10% 50V	R372	1-249-416-11	CARBON	820 5% 1/4W
C398	1-128-806-11	CERAMIC	56PF 5% 50V	R373	1-249-416-11	CARBON	820 5% 1/4W
C399	1-112-143-11	CAP, ELECT	10uF	R374	1-247-903-00	CARBON	1M 5% 1/4W
		< CONNECTOR >		R375	1-249-418-11	CARBON	1.2K 5% 1/4W
CN351	1-573-843-11	CONNECTOR, BOARD TO BOARD 11P		R376	1-249-417-11	CARBON	1K 5% 1/4W
		< DIODE >		R377	1-249-416-11	CARBON	820 5% 1/4W
D351	8-719-991-33	DIODE 1SS133T-77		R378	1-249-416-11	CARBON	820 5% 1/4W
D352	8-719-991-33	DIODE 1SS133T-77		R379	1-249-416-11	CARBON	820 5% 1/4W
		< FERRITE BEAD >		R380	1-249-430-11	CARBON	12K 5% 1/4W
FB353	1-412-911-11	INDUCTOR, FERRITE BEAD		R381	1-249-430-11	CARBON	12K 5% 1/4W
FB354	1-412-911-11	INDUCTOR, FERRITE BEAD		R382	1-249-418-11	CARBON	1.2K 5% 1/4W
		< IC >		R383	1-249-417-11	CARBON	1K 5% 1/4W
IC370	6-701-597-01	IC TC90A69N		R386	1-249-429-11	CARBON	10K 5% 1/4W
IC371	6-706-778-01	IC MM1093PFB (EXCEPT TW, KR)		R387	1-249-429-11	CARBON	10K 5% 1/4W
IC371	8-759-826-19	IC MM1093NF (TW, KR)		R388	1-249-412-11	CARBON	390 5% 1/4W
				R389	1-249-412-11	CARBON	390 5% 1/4W
				R390	1-247-903-00	CARBON	1M 5% 1/4W
				R391	1-249-431-11	CARBON	15K 5% 1/4W
				R392	1-247-847-91	CARBON	4.7K 5% 1/4W (EXCEPT TW, KR)

COMP-V DC1 DC2

Ref. No.	Part No.	Description	Remark		
R392	1-249-426-11	CARBON	5.6K	5%	1/4W (TW, KR)
< RELAY >					
RY351	1-755-184-11	RELAY			
RY352	1-755-184-11	RELAY			
RY353	1-755-184-11	RELAY			
RY354	1-755-184-11	RELAY			
< VIBRATOR >					
X370	1-781-134-21	VIBRATOR, CRYSTAL (4.43MHz)			(EXCEPT TW, KR)
X370	1-781-342-21	OSCILLATOR, CRYSTAL (3.5795MHz)			(TW, KR)

DC1 BOARD					

	1-533-399-31	FUSE HOLDER			
< CAPACITOR >					
C902	1-112-137-11	CAP, ELECT	2200uF		
C903	1-112-136-11	CAP, ELECT	1000uF		
C904	1-112-129-11	CAP, ELECT	100uF		
C906	1-112-135-11	CAP, ELECT	47uF		
C907	1-112-126-11	CAP, ELECT	4700uF		
C908	1-112-124-11	CAP, ELECT	1000uF		
C909	1-112-145-11	CAP, ELECT	330uF		
C915	1-112-031-11	ELECT	8200uF		
C916	1-112-031-11	ELECT	8200uF		
C917	1-137-350-11	FILM	0.015uF	5%	100V
C918	1-137-350-11	FILM	0.015uF	5%	100V
C919	1-104-999-11	MYLAR	0.1uF	5%	200V
C920	1-127-888-11	CERAMIC	0.1uF	10%	50V
C923	1-112-130-11	CAP, ELECT	220uF		
C924	1-112-130-11	CAP, ELECT	220uF		
C925	1-112-130-11	CAP, ELECT	220uF		
C926	1-112-130-11	CAP, ELECT	220uF		
< CONNECTOR >					
CN906	1-691-768-11	PLUG (MICRO CONNECTOR) 6P			
CN907	1-691-770-11	PLUG (MICRO CONNECTOR) 8P			
CN909	1-784-922-11	PIN, CONNECTOR 5P			
CN910	1-785-101-11	PIN, CONNECTOR (3.96mm PITCH) 3P			
CN911	1-785-101-11	PIN, CONNECTOR (3.96mm PITCH) 3P			
CN912	1-778-226-21	CONNECTOR, BOARD TO BOARD 6P			
CN913	1-564-320-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
< DIODE >					
D902	8-719-933-95	DIODE HZS20-1L			
D903	8-719-063-71	DIODE D1NL20U-TA			
D904	8-719-063-71	DIODE D1NL20U-TA			
D905	8-719-063-71	DIODE D1NL20U-TA			
D906	8-719-063-71	DIODE D1NL20U-TA			
D908	6-501-068-01	DIODE D4SBN20-7001			
D909	6-500-522-11	DIODE 10EDB40-TA2B5			
D912	6-500-522-11	DIODE 10EDB40-TA2B5			
D913	6-500-522-11	DIODE 10EDB40-TA2B5			
D914	6-501-003-21	DIODE D6SBN20-7003			

Ref. No.	Part No.	Description	Remarks			
D915	6-500-522-11	DIODE 10EDB40-TA2B5				
D916	6-500-522-11	DIODE 10EDB40-TA2B5				
< EARTH TERMINAL >						
* EB901	1-537-738-21	TERMINAL, EARTH				
< TRANSISTOR >						
Q903	8-729-041-38	TRANSISTOR	2SB1241-Q-TV2			
< RESISTOR >						
R902	1-247-863-11	CARBON	22K	5%	1/4W	
R904	1-249-429-11	CARBON	10K	5%	1/4W	
△ R910	1-249-385-11	CARBON	2.2	5%	1/4W F	
△ R911	1-216-349-81	METAL OXIDE	1	5%	1W F	
△ R912	1-216-349-81	METAL OXIDE	1	5%	1W F	
△ R913	1-249-407-11	CARBON	150	5%	1/4W F	

A-1054-282-A		DC2 BOARD, COMPLETE	*****			
< CAPACITOR >						
C952	1-112-128-11	CAP, ELECT	47uF			
C953	1-136-169-00	MYLAR	0.22uF	5%	50V	
C954	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C955	1-136-169-00	MYLAR	0.22uF	5%	50V	
C956	1-112-123-11	CAP, ELECT	470uF			
C957	1-112-116-11	CAP, ELECT	4700uF			
C958	1-136-169-00	MYLAR	0.22uF	5%	50V	
C959	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C960	1-136-169-00	MYLAR	0.22uF	5%	50V	
C961	1-112-132-11	CAP, ELECT	1000uF			
C962	1-136-169-00	MYLAR	0.22uF	5%	50V	
C963	1-112-132-11	CAP, ELECT	1000uF			
C964	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C965	1-127-888-11	CERAMIC	0.1uF	10%	50V	
< CONNECTOR >						
CN951	1-778-227-41	CONNECTOR, BOARD TO BOARD 6P				
< IC >						
IC951	8-759-245-79	IC TA79005S				
< TRANSISTOR >						
Q953	8-729-140-98	TRANSISTOR	2SD773-34			
Q954	8-729-029-23	TRANSISTOR	DTA114TSA-TP			
Q955	8-729-029-66	TRANSISTOR	DTC114ESA			
Q956	8-729-029-66	TRANSISTOR	DTC114ESA			
Q957	8-729-140-93	TRANSISTOR	2SB733-34			
Q958	8-729-029-66	TRANSISTOR	DTC114ESA			
Q959	8-729-140-93	TRANSISTOR	2SB733-34			
Q960	8-729-024-93	TRANSISTOR	2SB1565E			
Q961	8-729-119-79	TRANSISTOR	2SC2785-FEK			
Q962	8-729-119-79	TRANSISTOR	2SC2785-FEK			

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
< RESISTOR >						C1202	1-164-156-11	CERAMIC CHIP	0.1uF		25V
						C1203	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R954	1-249-417-11	CARBON	1K	5%	1/4W	C1204	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R955	1-249-415-11	CARBON	680	5%	1/4W	C1205	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R956	1-249-429-11	CARBON	10K	5%	1/4W						
R957	1-249-415-11	CARBON	680	5%	1/4W	C1206	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R958	1-249-429-11	CARBON	10K	5%	1/4W	C1207	1-164-156-11	CERAMIC CHIP	0.1uF		25V
						C1208	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R959	1-249-429-11	CARBON	10K	5%	1/4W	C1209	1-164-156-11	CERAMIC CHIP	0.1uF		25V
△ R960	1-214-816-00	METAL	10	1%	1/2W F	C1210	1-164-156-11	CERAMIC CHIP	0.1uF		25V
△ R961	1-214-816-00	METAL	10	1%	1/2W F						
R962	1-249-429-11	CARBON	10K	5%	1/4W	C1211	1-112-119-11	CAP, ELECT	470uF		
R963	1-247-847-91	CARBON	4.7K	5%	1/4W	C1212	1-112-119-11	CAP, ELECT	470uF		
						C1213	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R964	1-247-887-00	CARBON	220K	5%	1/4W	C1214	1-164-156-11	CERAMIC CHIP	0.1uF		25V
R965	1-249-401-11	CARBON	47	5%	1/4W	C1216	1-162-927-11	CERAMIC CHIP	100PF	5%	50V

	A-1054-338-A	DIGITAL BOARD, COMPLETE (AEP, UK)				C1218	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
	A-1055-433-A	DIGITAL BOARD, COMPLETE (SP, MY)				C1219	1-164-156-11	CERAMIC CHIP	0.1uF		25V
	A-1070-832-A	DIGITAL BOARD, COMPLETE (TW, KR)				C1220	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
	A-1070-859-A	DIGITAL BOARD, COMPLETE (AUS)				C1221	1-164-156-11	CERAMIC CHIP	0.1uF		25V
		*****									(AEP, UK)
		< CAPACITOR >				C1227	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1100	1-164-222-11	CERAMIC CHIP	0.22uF		25V	C1230	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1101	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C1231	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1102	1-112-128-11	CAP, ELECT	47uF			C1233	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1103	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C1234	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1104	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1235	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1105	1-112-128-11	CAP, ELECT	47uF			C1309	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1106	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C1310	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1107	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1311	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1108	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C1312	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1109	1-162-918-11	CERAMIC CHIP	18PF	5%	50V	C1401	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1110	1-162-918-11	CERAMIC CHIP	18PF	5%	50V	C1402	1-112-128-11	CAP, ELECT	47uF		
C1111	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C1403	1-112-143-11	CAP, ELECT	10uF		
C1112	1-162-974-11	CERAMIC CHIP	0.01uF		50V	C1404	1-112-142-11	CAP, ELECT	4.7uF		
C1113	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C1405	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C1114	1-162-905-11	CERAMIC CHIP	1PF	0.25PF	50V	C1406	1-112-142-11	CAP, ELECT	4.7uF		
C1115	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	C1407	1-112-143-11	CAP, ELECT	10uF		
C1116	1-112-115-11	CAP, ELECT	1000uF			C1408	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C1117	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C1409	1-112-128-11	CAP, ELECT	47uF		
C1118	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V	C1410	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1119	1-112-144-11	CAP, ELECT	22uF			C1411	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1120	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C1412	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1121	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C1413	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1122	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C1414	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C1123	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C1415	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C1124	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C1416	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1126	1-112-143-11	CAP, ELECT	10uF			C1417	1-112-084-11	CAP, ELECT	470uF		
C1127	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C1418	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1129	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V	C1501	1-112-118-11	CAP, ELECT	330uF		
C1130	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C1502	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1131	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	C1503	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1132	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C1504	1-112-122-11	CAP, ELECT	220uF		
C1151	1-112-144-11	CAP, ELECT	22uF			C1505	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1152	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C1506	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1153	1-162-905-11	CERAMIC CHIP	1PF	0.25PF	50V	C1507	1-112-143-11	CAP, ELECT	10uF		
C1154	1-162-923-11	CERAMIC CHIP	47PF	5%	50V	C1508	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1201	1-164-156-11	CERAMIC CHIP	0.1uF		25V	C1509	1-164-156-11	CERAMIC CHIP	0.1uF		25V
						C1510	1-164-156-11	CERAMIC CHIP	0.1uF		25V
						C1511	1-164-156-11	CERAMIC CHIP	0.1uF		25V

The components identified by mark △ or dotted line with mark △ are critical for safety.
Replace only with part number specified.

DIGITAL

Ref. No.	Part No.	Description		Remark	Ref. No.	Part No.	Description		Remark
C1512	1-164-156-11	CERAMIC CHIP	0.1uF	25V	C1671	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C1513	1-112-143-11	CAP, ELECT	10uF		C1672	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C1514	1-164-156-11	CERAMIC CHIP	0.1uF	25V	C1673	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C1522	1-162-977-11	CERAMIC CHIP	0.0018uF	10% 50V	C1674	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C1523	1-164-218-11	CERAMIC CHIP	180PF	5% 50V	C1675	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C1524	1-112-129-11	CAP, ELECT	100uF		C1676	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C1532	1-162-977-11	CERAMIC CHIP	0.0018uF	10% 50V	C1905	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C1533	1-164-218-11	CERAMIC CHIP	180PF	5% 50V	C1906	1-112-084-11	CAP, ELECT	470uF	
C1534	1-112-129-11	CAP, ELECT	100uF		C1908	1-112-084-11	CAP, ELECT	470uF	
C1542	1-162-977-11	CERAMIC CHIP	0.0018uF	10% 50V	C1909	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C1543	1-164-218-11	CERAMIC CHIP	180PF	5% 50V	C1910	1-112-117-11	CAP, ELECT	220uF	
C1544	1-112-129-11	CAP, ELECT	100uF		C1911	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C1552	1-162-977-11	CERAMIC CHIP	0.0018uF	10% 50V	C1912	1-112-084-11	CAP, ELECT	470uF	
C1553	1-164-218-11	CERAMIC CHIP	180PF	5% 50V	C1913	1-164-156-11	CERAMIC CHIP	0.1uF	25V
C1554	1-112-129-11	CAP, ELECT	100uF		C1914	1-112-128-11	CAP, ELECT	47uF	
C1562	1-162-977-11	CERAMIC CHIP	0.0018uF	10% 50V	C1915	1-112-128-11	CAP, ELECT	47uF (AEP, UK)	
C1563	1-164-218-11	CERAMIC CHIP	180PF	5% 50V	C1916	1-164-156-11	CERAMIC CHIP	0.1uF	25V (AEP, UK)
C1564	1-112-129-11	CAP, ELECT	100uF		< CONNECTOR >				
C1572	1-162-977-11	CERAMIC CHIP	0.0018uF	10% 50V	CN1101	1-764-867-41	CONNECTOR, BOARD TO BOARD 20P		
C1573	1-164-218-11	CERAMIC CHIP	180PF	5% 50V	CN1102	1-764-867-41	CONNECTOR, BOARD TO BOARD 20P		
C1574	1-112-129-11	CAP, ELECT	100uF		CN1103	1-569-060-11	SOCKET, CONNECTOR 11P (EXCEPT AEP, UK)		
C1582	1-162-977-11	CERAMIC CHIP	0.0018uF	10% 50V	CN1103	1-569-321-11	SOCKET, CONNECTOR 15P (AEP, UK)		
C1583	1-164-218-11	CERAMIC CHIP	180PF	5% 50V	CN1104	1-784-923-11	PIN, CONNECTOR 7P		
C1584	1-112-129-11	CAP, ELECT	100uF		CN1105	1-784-792-11	CONNECTOR, FFC 31P		
C1592	1-162-977-11	CERAMIC CHIP	0.0018uF	10% 50V	CN1106	1-691-767-11	PLUG (MICRO CONNECTOR) 5P		
C1593	1-164-218-11	CERAMIC CHIP	180PF	5% 50V	CN1107	1-564-320-00	PIN, CONNECTOR (3.96mm PITCH) 2P		
C1594	1-112-129-11	CAP, ELECT	100uF		CN1110	1-691-765-11	PLUG (MICRO CONNECTOR) 3P		
C1601	1-164-156-11	CERAMIC CHIP	0.1uF	25V	CN1111	1-691-767-31	PLUG (MICRO CONNECTOR) 5P		
C1602	1-164-156-11	CERAMIC CHIP	0.1uF	25V	CN1112	1-691-765-11	PLUG (MICRO CONNECTOR) 3P		
C1603	1-164-156-11	CERAMIC CHIP	0.1uF	25V	< DIODE >				
C1605	1-164-156-11	CERAMIC CHIP	0.1uF	25V	D1001	8-719-016-74	DIODE 1SS352		
C1606	1-112-128-11	CAP, ELECT	47uF		D1101	8-719-016-74	DIODE 1SS352		
C1608	1-162-974-11	CERAMIC CHIP	0.01uF	50V	D1501	8-719-049-09	DIODE 1SS367-T3SONY		
C1609	1-162-974-11	CERAMIC CHIP	0.01uF	50V	D1502	8-719-049-09	DIODE 1SS367-T3SONY		
C1610	1-162-974-11	CERAMIC CHIP	0.01uF	50V	D1601	8-719-016-74	DIODE 1SS352		
C1611	1-162-974-11	CERAMIC CHIP	0.01uF	50V	D1602	8-719-016-74	DIODE 1SS352		
C1612	1-164-156-11	CERAMIC CHIP	0.1uF	25V	D1603	8-719-016-74	DIODE 1SS352		
C1613	1-162-995-11	CERAMIC CHIP	0.022uF	50V	D1604	8-719-016-74	DIODE 1SS352		
C1614	1-162-995-11	CERAMIC CHIP	0.022uF	50V	D1905	8-719-053-18	DIODE 1SR154-400TE-25		
C1617	1-162-974-11	CERAMIC CHIP	0.01uF	50V	D1906	8-719-053-18	DIODE 1SR154-400TE-25		
C1618	1-164-156-11	CERAMIC CHIP	0.1uF	25V	D1907	8-719-053-18	DIODE 1SR154-400TE-25		
C1619	1-164-156-11	CERAMIC CHIP	0.1uF	25V	< FERRITE BEAD/SHORT >				
C1620	1-164-156-11	CERAMIC CHIP	0.1uF	25V	FB1101	1-469-152-11	FERRITE, EMI (SMD) (2012)		
C1624	1-164-156-11	CERAMIC CHIP	0.1uF	25V	FB1102	1-469-152-11	FERRITE, EMI (SMD) (2012)		
C1626	1-164-156-11	CERAMIC CHIP	0.1uF	25V	FB1104	1-216-864-11	SHORT CHIP 0		
C1627	1-112-143-11	CAP, ELECT	10uF		FB1105	1-414-813-11	FERRITE, EMI (SMD) (2012)		
C1631	1-164-156-11	CERAMIC CHIP	0.1uF	25V	FB1201	1-469-152-11	FERRITE, EMI (SMD) (2012)		
C1632	1-164-156-11	CERAMIC CHIP	0.1uF	25V	FB1202	1-469-152-11	FERRITE, EMI (SMD) (2012)		
C1633	1-162-974-11	CERAMIC CHIP	0.01uF	50V (AEP, UK)	FB1203	1-414-813-11	FERRITE, EMI (SMD) (2012)		
C1634	1-164-156-11	CERAMIC CHIP	0.1uF	25V	FB1401	1-469-152-11	FERRITE, EMI (SMD) (2012)		
C1635	1-164-156-11	CERAMIC CHIP	0.1uF	25V	FB1407	1-414-813-11	FERRITE, EMI (SMD) (2012)		
C1638	1-162-974-11	CERAMIC CHIP	0.01uF	50V	FB1501	1-469-152-11	FERRITE, EMI (SMD) (2012)		
C1639	1-162-974-11	CERAMIC CHIP	0.01uF	50V					
C1640	1-164-230-11	CERAMIC CHIP	220PF	5% 50V					
C1658	1-162-974-11	CERAMIC CHIP	0.01uF	50V					
C1659	1-162-974-11	CERAMIC CHIP	0.01uF	50V					
C1670	1-164-156-11	CERAMIC CHIP	0.1uF	25V					

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
FB1502	1-469-152-11	FERRITE, EMI (SMD) (2012)				< SHORT >	
FB1503	1-414-813-11	FERRITE, EMI (SMD) (2012)		L1901	1-216-864-11	SHORT CHIP 0	
FB1601	1-469-152-11	FERRITE, EMI (SMD) (2012)				< TRANSISTOR >	
FB1602	1-469-152-11	FERRITE, EMI (SMD) (2012)		Q1601	8-729-027-43	TRANSISTOR DTC114EKA-T146	
FB1603	1-469-152-11	FERRITE, EMI (SMD) (2012)		Q1602	8-729-230-49	TRANSISTOR 2SC2712-YG	
				Q1603	8-729-230-49	TRANSISTOR 2SC2712-YG	
				Q1607	8-729-230-49	TRANSISTOR 2SC2712-YG	
						< RESISTOR >	
		< IC >		R1100	1-216-857-11	METAL CHIP 1M 5% 1/10W	
IC1101	8-759-825-15	IC LC89056W-E		R1101	1-216-833-11	METAL CHIP 10K 5% 1/10W	
IC1102	8-759-242-70	IC TC7WU04F		R1102	1-216-833-11	METAL CHIP 10K 5% 1/10W	
IC1103	8-759-926-17	IC SN74HC153ANS		R1104	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC1104	6-600-014-01	IC TORX141L (OPTICAL DVD IN)		R1105	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
IC1105	6-600-014-01	IC TORX141L (OPTICAL TV/SAT IN)		R1106	1-216-839-11	METAL CHIP 33K 5% 1/10W	
IC1106	6-600-014-01	IC TORX141L (OPTICAL MD IN)		R1107	1-216-830-11	METAL CHIP 5.6K 5% 1/10W	
IC1107	6-600-012-11	IC TOTX141L (RED) (OPTICAL MD OUT)		R1108	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC1151	8-759-242-70	IC TC7WU04F		R1109	1-216-864-11	SHORT CHIP 0	
IC1201	6-705-900-01	IC CXD9718BQ		R1110	1-216-821-11	METAL CHIP 1K 5% 1/10W	
IC1202	6-704-037-01	IC IC61LV6416-15TG		R1111	1-216-821-11	METAL CHIP 1K 5% 1/10W	
IC1204	8-759-546-74	IC TC7WH157FU (TE12R)		R1112	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC1401	8-759-560-56	IC PCM1800E/2K		R1113	1-216-821-11	METAL CHIP 1K 5% 1/10W	
IC1402	8-759-636-55	IC M5218AFP		R1114	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC1403	8-759-231-53	IC TA7805S		R1115	1-216-833-11	METAL CHIP 10K 5% 1/10W	
IC1501	6-701-216-01	IC PCM1604Y-2/2K		R1116	1-218-285-11	METAL CHIP 75 5% 1/10W	
IC1502	8-759-825-13	IC PCM1748E/2K		R1117	1-216-817-11	METAL CHIP 470 5% 1/10W	
IC1503	8-759-196-96	IC TC7SH08FU-TE85R		R1118	1-216-853-11	METAL CHIP 470K 5% 1/10W	
IC1504	8-759-546-74	IC TC7WH157FU (TE12R)		R1119	1-216-841-11	METAL CHIP 47K 5% 1/10W	
IC1521	8-759-636-55	IC M5218AFP		R1120	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC1541	8-759-636-55	IC M5218AFP		R1121	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC1561	8-759-636-55	IC M5218AFP		R1122	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC1581	8-759-636-55	IC M5218AFP		R1123	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC1602	6-702-913-01	IC S-80929CNMC-G8ZT2G		R1124	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC1604	6-705-864-01	IC CAT24WC16WI-TE13		R1127	1-216-809-11	METAL CHIP 100 5% 1/10W	
IC1703	6-804-364-01	IC MB91154PFV-G-121-BNDE1		R1151	1-216-817-11	METAL CHIP 470 5% 1/10W	
IC1901	6-701-887-02	IC SI-3004KWF		R1152	1-216-853-11	METAL CHIP 470K 5% 1/10W	
IC1902	8-759-604-32	IC M5F7810L		R1153	1-216-841-11	METAL CHIP 47K 5% 1/10W	
IC1903	8-759-647-10	IC uPC2933HF		R1154	1-216-864-11	SHORT CHIP 0	
IC1904	8-759-647-10	IC uPC2933HF		R1156	1-218-285-11	METAL CHIP 75 5% 1/10W	
IC1905	8-759-647-10	IC uPC2933HF (AEP, UK)		R1201	1-216-833-11	METAL CHIP 10K 5% 1/10W	
		< JACK >		R1202	1-216-809-11	METAL CHIP 100 5% 1/10W	
J1101	1-818-314-11	PIN JACK 2P (DIGITAL COAXIAL IN DVD, DIGITAL COAXIAL IN SA-CD/CD)		R1203	1-216-833-11	METAL CHIP 10K 5% 1/10W	
		< RESISTOR >		R1204	1-216-821-11	METAL CHIP 1K 5% 1/10W	
JR1112	1-216-833-11	METAL CHIP 10K 5% 1/10W (EXCEPT AEP, UK)		R1205	1-216-809-11	METAL CHIP 100 5% 1/10W	
JR1113	1-216-833-11	METAL CHIP 10K 5% 1/10W (EXCEPT AEP, UK)		R1206	1-216-809-11	METAL CHIP 100 5% 1/10W	
JR1114	1-216-833-11	METAL CHIP 10K 5% 1/10W (EXCEPT AEP, UK)		R1207	1-216-809-11	METAL CHIP 100 5% 1/10W	
JR1121	1-216-864-11	SHORT CHIP 0		R1208	1-216-809-11	METAL CHIP 100 5% 1/10W	
JR1200	1-216-864-11	SHORT CHIP 0		R1209	1-216-809-11	METAL CHIP 100 5% 1/10W	
JR1201	1-216-864-11	SHORT CHIP 0		R1210	1-216-833-11	METAL CHIP 10K 5% 1/10W	
JR1210	1-211-950-11	SHORT CHIP 0		R1212	1-216-813-11	METAL CHIP 220 5% 1/10W	
JR1211	1-211-950-11	SHORT CHIP 0		R1213	1-216-813-11	METAL CHIP 220 5% 1/10W	
JR1214	1-211-950-11	SHORT CHIP 0		R1214	1-216-813-11	METAL CHIP 220 5% 1/10W	
JR1688	1-216-864-11	SHORT CHIP 0		R1215	1-216-813-11	METAL CHIP 220 5% 1/10W	
				R1216	1-216-813-11	METAL CHIP 220 5% 1/10W	
				R1217	1-216-813-11	METAL CHIP 220 5% 1/10W	
				R1218	1-216-813-11	METAL CHIP 220 5% 1/10W	

DIGITAL

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R1219	1-216-813-11	METAL CHIP	220	5%	1/10W	R1573	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1220	1-216-813-11	METAL CHIP	220	5%	1/10W	R1574	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1221	1-216-813-11	METAL CHIP	220	5%	1/10W	R1580	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R1222	1-216-813-11	METAL CHIP	220	5%	1/10W	R1581	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R1224	1-216-809-11	METAL CHIP	100	5%	1/10W	R1582	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1226	1-216-864-11	SHORT CHIP	0			R1583	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1304	1-216-841-11	METAL CHIP	47K	5%	1/10W	R1584	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1305	1-216-841-11	METAL CHIP	47K	5%	1/10W	R1590	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R1308	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1591	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R1314	1-216-864-11	SHORT CHIP	0			R1592	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1364	1-216-864-11	SHORT CHIP	0			R1593	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1401	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1594	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1402	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R1600	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1421	1-216-839-11	METAL CHIP	33K	5%	1/10W	R1601	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1422	1-216-839-11	METAL CHIP	33K	5%	1/10W	R1602	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1424	1-216-845-11	METAL CHIP	100K	5%	1/10W	R1603	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1431	1-216-839-11	METAL CHIP	33K	5%	1/10W	R1604	1-216-809-11	METAL CHIP	100	5%	1/10W
R1432	1-216-839-11	METAL CHIP	33K	5%	1/10W	R1605	1-216-809-11	METAL CHIP	100	5%	1/10W
R1434	1-216-845-11	METAL CHIP	100K	5%	1/10W	R1606	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1437	1-216-809-11	METAL CHIP	100	5%	1/10W	R1607	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1501	1-216-809-11	METAL CHIP	100	5%	1/10W	R1608	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1502	1-216-809-11	METAL CHIP	100	5%	1/10W	R1609	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1503	1-216-809-11	METAL CHIP	100	5%	1/10W	R1610	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1504	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1611	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1505	1-216-809-11	METAL CHIP	100	5%	1/10W	R1612	1-216-809-11	METAL CHIP	100	5%	1/10W
R1506	1-216-809-11	METAL CHIP	100	5%	1/10W	R1613	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1507	1-216-809-11	METAL CHIP	100	5%	1/10W	R1614	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1508	1-216-809-11	METAL CHIP	100	5%	1/10W	R1615	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1509	1-216-809-11	METAL CHIP	100	5%	1/10W	R1616	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1512	1-216-809-11	METAL CHIP	100	5%	1/10W	R1617	1-216-809-11	METAL CHIP	100	5%	1/10W
R1520	1-216-832-11	METAL CHIP	8.2K	5%	1/10W	R1618	1-216-809-11	METAL CHIP	100	5%	1/10W
R1521	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	R1619	1-216-809-11	METAL CHIP	100	5%	1/10W
R1522	1-216-837-11	METAL CHIP	22K	5%	1/10W	R1620	1-216-809-11	METAL CHIP	100	5%	1/10W
R1523	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1621	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1524	1-216-845-11	METAL CHIP	100K	5%	1/10W	R1622	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1530	1-216-832-11	METAL CHIP	8.2K	5%	1/10W	R1623	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1531	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	R1624	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1532	1-216-837-11	METAL CHIP	22K	5%	1/10W	R1625	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1533	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1626	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1534	1-216-845-11	METAL CHIP	100K	5%	1/10W	R1627	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1540	1-216-832-11	METAL CHIP	8.2K	5%	1/10W	R1628	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1541	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	R1629	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1542	1-216-837-11	METAL CHIP	22K	5%	1/10W	R1630	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1543	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1631	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1544	1-216-845-11	METAL CHIP	100K	5%	1/10W	R1632	1-216-809-11	METAL CHIP	100	5%	1/10W
R1550	1-216-832-11	METAL CHIP	8.2K	5%	1/10W	R1633	1-216-809-11	METAL CHIP	100	5%	1/10W
R1551	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	R1634	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1552	1-216-837-11	METAL CHIP	22K	5%	1/10W	R1635	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1553	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1636	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1554	1-216-845-11	METAL CHIP	100K	5%	1/10W	R1637	1-216-809-11	METAL CHIP	100	5%	1/10W
R1560	1-216-832-11	METAL CHIP	8.2K	5%	1/10W	R1638	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1561	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	R1639	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1562	1-216-837-11	METAL CHIP	22K	5%	1/10W	R1640	1-216-809-11	METAL CHIP	100	5%	1/10W
R1563	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1641	1-216-809-11	METAL CHIP	100	5%	1/10W
R1564	1-216-845-11	METAL CHIP	100K	5%	1/10W	R1642	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1570	1-216-832-11	METAL CHIP	8.2K	5%	1/10W	R1643	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1571	1-216-823-11	METAL CHIP	1.5K	5%	1/10W						
R1572	1-216-837-11	METAL CHIP	22K	5%	1/10W						

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DIRECT

DISPLAY

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R1644	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1702	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1645	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1703	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1646	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1704	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1647	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1705	1-216-809-11	METAL CHIP	100	5%	1/10W (AEP, UK)
R1648	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1710	1-216-809-11	METAL CHIP	100	5%	1/10W (AEP, UK)
R1649	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R1650	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R1651	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1711	1-216-809-11	METAL CHIP	100	5%	1/10W (AEP, UK)
R1652	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R1653	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1712	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1654	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1713	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1655	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1714	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1656	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1715	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1657	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1716	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1658	1-216-809-11	METAL CHIP	100	5%	1/10W	R1717	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1659	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1718	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1660	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1719	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1661	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1720	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1664	1-216-809-11	METAL CHIP	100	5%	1/10W	R1721	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1665	1-216-809-11	METAL CHIP	100	5%	1/10W	R1722	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1666	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1723	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1667	1-216-821-11	METAL CHIP	1K	5%	1/10W	R1724	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1668	1-216-830-11	METAL CHIP	5.6K	5%	1/10W			< VIBRATOR >			
R1669	1-216-829-11	METAL CHIP	4.7K	5%	1/10W						
R1671	1-216-833-11	METAL CHIP	10K	5%	1/10W	X1101	1-781-465-21	VIBRATOR, CRYSTAL (12.288MHz)			
R1672	1-216-797-11	METAL CHIP	10	5%	1/10W	X1201	1-813-284-21	QUARTZ CRYSTAL (13.9MHz)			
R1673	1-216-821-11	METAL CHIP	1K	5%	1/10W	X1601	1-795-179-21	VIBRATOR, CERAMIC (16.5MHz)			
R1674	1-216-821-11	METAL CHIP	1K	5%	1/10W	*****					
R1675	1-216-833-11	METAL CHIP	10K	5%	1/10W			DIRECT BOARD			
R1676	1-216-821-11	METAL CHIP	1K	5%	1/10W			*****			
R1677	1-216-821-11	METAL CHIP	1K	5%	1/10W			< CONNECTOR >			
R1678	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R1679	1-216-821-11	METAL CHIP	1K	5%	1/10W	CN1062	1-691-765-11	PLUG (MICRO CONNECTOR) 3P			
R1680	1-216-821-11	METAL CHIP	1K	5%	1/10W			< RESISTOR >			
R1681	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R1682	1-216-845-11	METAL CHIP	100K	5%	1/10W	R1057	1-247-863-11	CARBON	22K	5%	1/4W
R1683	1-216-833-11	METAL CHIP	10K	5%	1/10W	R1060	1-249-437-11	CARBON	47K	5%	1/4W
R1684	1-216-827-11	METAL CHIP	3.3K	5%	1/10W			< SWITCH >			
R1685	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R1687	1-216-833-11	METAL CHIP	10K	5%	1/10W	S1061	1-762-875-21	SWITCH, KEYBOARD (DIRECT)			
R1690	1-216-821-11	METAL CHIP	1K	5%	1/10W	S1062	1-762-875-21	SWITCH, KEYBOARD (MULTI CH IN)			
R1691	1-216-833-11	METAL CHIP	10K	5%	1/10W	*****					
R1692	1-216-833-11	METAL CHIP	10K	5%	1/10W		A-1054-314-A	DISPLAY BOARD, COMPLETE			
R1693	1-216-833-11	METAL CHIP	10K	5%	1/10W			*****			
R1694	1-216-821-11	METAL CHIP	1K	5%	1/10W						
R1695	1-216-833-11	METAL CHIP	10K	5%	1/10W		4-245-442-01	HOLDER (FL)			
R1696	1-216-821-11	METAL CHIP	1K	5%	1/10W	*	4-921-941-01	CUSHION (FL)			
R1697	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (SP, MY)			< CAPACITOR >			
R1697	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (AUS)	C1001	1-128-809-11	CERAMIC	100PF	5%	50V
R1697	1-216-841-11	METAL CHIP	47K	5%	1/10W (TW, KR)	C1002	1-128-809-11	CERAMIC	100PF	5%	50V
R1697	1-216-864-11	SHORT CHIP	0		(AEP, UK)	C1003	1-127-868-11	CERAMIC	2200PF	10%	50V
R1698	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	C1005	1-127-888-11	CERAMIC	0.1uF	10%	50V
R1699	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	C1006	1-128-813-11	CERAMIC	220PF	5%	50V
R1701	1-216-833-11	METAL CHIP	10K	5%	1/10W	C1007	1-128-813-11	CERAMIC	220PF	5%	50V
						C1008	1-128-813-11	CERAMIC	220PF	5%	50V
						C1009	1-127-888-11	CERAMIC	0.1uF	10%	50V
						C1010	1-124-635-00	ELECT	220uF	20%	6.3V

DISPLAY FUN HP-V3

Ref. No.	Part No.	Description	Remark		
C1011	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1012	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1013	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1014	1-126-796-11	ELECT	22uF	20%	50V
C1015	1-128-813-11	CERAMIC	220PF	5%	50V
C1016	1-128-813-11	CERAMIC	220PF	5%	50V
C1017	1-128-813-11	CERAMIC	220PF	5%	50V
C1018	1-128-813-11	CERAMIC	220PF	5%	50V
C1019	1-128-813-11	CERAMIC	220PF	5%	50V
C1020	1-128-813-11	CERAMIC	220PF	5%	50V
C1021	1-128-813-11	CERAMIC	220PF	5%	50V
C1022	1-128-813-11	CERAMIC	220PF	5%	50V
C1023	1-128-813-11	CERAMIC	220PF	5%	50V
C1024	1-128-813-11	CERAMIC	220PF	5%	50V
C1025	1-128-813-11	CERAMIC	220PF	5%	50V
C1026	1-128-813-11	CERAMIC	220PF	5%	50V
C1027	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1031	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1051	1-126-786-11	ELECT	47uF	20%	16V
C1071	1-126-786-11	ELECT	47uF	20%	16V
< CONNECTOR >					
CN1001	1-784-753-11	CONNECTOR, FFC 31P			
< DIODE >					
D1031	8-719-084-07	LED SEL5E20CTP15			
		(MULTI CHANNEL DECOING			
D1071	8-719-068-28	DIODE HZ6.8BP-TK			
< FLUORESCENT INDICATOR >					
FL1603	1-518-966-11	VOCUUM FLUORESENT DISPLAYS			
< IC >					
IC1001	6-701-729-01	IC PT6315			
IC1006	8-759-243-51	IC TC74ACT08P			
IC1051	6-600-349-31	IC NJL24H400A			
< TRANSISTOR >					
Q1031	8-729-119-76	TRANSISTOR	2SA1175-HFE		
Q1032	8-729-119-78	TRANSISTOR	2SC2785-HFE		
< RESISTOR >					
JW1014	1-247-807-31	CARBON	100	5%	1/4W
JW1015	1-247-807-31	CARBON	100	5%	1/4W
R1004	1-249-437-11	CARBON	47K	5%	1/4W
R1005	1-249-440-11	CARBON	82K	5%	1/4W
R1009	1-249-437-11	CARBON	47K	5%	1/4W
△ R1011	1-249-381-11	CARBON	1	5%	1/4W F
△ R1012	1-249-381-11	CARBON	1	5%	1/4W F
R1031	1-249-409-11	CARBON	220	5%	1/4W
R1032	1-249-429-11	CARBON	10K	5%	1/4W
R1033	1-249-402-11	CARBON	56	5%	1/4W
R1035	1-249-429-11	CARBON	10K	5%	1/4W
R1036	1-247-847-91	CARBON	4.7K	5%	1/4W
R1037	1-247-847-91	CARBON	4.7K	5%	1/4W
R1042	1-249-417-11	CARBON	1K	5%	1/4W
R1043	1-249-421-11	CARBON	2.2K	5%	1/4W

Ref. No.	Part No.	Description	Remark		
R1044	1-249-421-11	CARBON	2.2K	5%	1/4W
R1045	1-247-847-91	CARBON	4.7K	5%	1/4W
R1046	1-249-429-11	CARBON	10K	5%	1/4W
R1047	1-247-863-11	CARBON	22K	5%	1/4W
R1052	1-249-417-11	CARBON	1K	5%	1/4W
R1053	1-249-421-11	CARBON	2.2K	5%	1/4W
R1054	1-249-421-11	CARBON	2.2K	5%	1/4W
R1055	1-247-847-91	CARBON	4.7K	5%	1/4W
R1056	1-249-429-11	CARBON	10K	5%	1/4W
R1058	1-249-393-11	CARBON	10	5%	1/4W
R1059	1-247-807-31	CARBON	100	5%	1/4W
< VARIABLE RESISTOR >					
RV1051	1-467-808-21	ENCODER, ROTARY (MENU)			
RV1052	1-467-808-21	ENCODER, ROTARY (-/+)			
< SWITCH >					
S1041	1-762-875-21	SWITCH, KEYBOARD (INPUT MODE)			
S1042	1-762-875-21	SWITCH, KEYBOARD (DISPLAY)			
S1043	1-762-875-21	SWITCH, KEYBOARD (MUSIC)			
S1044	1-762-875-21	SWITCH, KEYBOARD (MOVIE)			
S1045	1-762-875-21	SWITCH, KEYBOARD (A.F.D.)			
S1046	1-762-875-21	SWITCH, KEYBOARD (2CH)			
S1047	1-762-875-21	SWITCH, KEYBOARD (SURR BACK DECODING)			
S1050	1-762-875-21	SWITCH, KEYBOARD (I/⏮)			
S1051	1-762-875-21	SWITCH, KEYBOARD (TUNING +)			
S1052	1-762-875-21	SWITCH, KEYBOARD (TUNING -)			
S1053	1-762-875-21	SWITCH, KEYBOARD (PRESET TUNING +)			
S1054	1-762-875-21	SWITCH, KEYBOARD (PRESET TUNING -)			
S1056	1-762-875-21	SWITCH, KEYBOARD (MAIN MENU)			
S1057	1-762-875-21	SWITCH, KEYBOARD (SPEAKERS)			
S1065	1-762-875-21	SWITCH, KEYBOARD (MEMORY ENTER)			

FUN BOARD					

< VARIABLE RESISTOR >					
RV1061	1-467-808-21	ENCODER, ROTARY (INPUT SELECTOR)			

HP-V3 BOARD					

< CAPACITOR >					
C1081	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1088	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1089	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1096	1-127-888-11	CERAMIC	0.1uF	10%	50V
C1097	1-127-868-11	CERAMIC	2200PF	10%	50V
C1098	1-127-868-11	CERAMIC	2200PF	10%	50V
< CONNECTOR >					
CN1081	1-784-922-11	PIN, CONNECTOR 5P			
CN1091	1-784-925-11	PIN, CONNECTOR 10P			

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

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MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
* CN410	1-770-723-11	CONNECTOR, BOARD TO BOARD 8P		IC651	6-702-387-01	IC CXD9725M	
CN411	1-770-010-21	CONNECTOR, BOARD TO BOARD 4P		IC652	8-759-167-88	IC NJM4565D	
CN412	1-770-722-11	CONNECTOR, BOARD TO BOARD 6P		IC804	8-759-243-51	IC TC74ACT08P	
CN413	1-770-010-21	CONNECTOR, BOARD TO BOARD 4P		IC805	8-759-243-51	IC TC74ACT08P	
CN416	1-564-320-00	PIN, CONNECTOR (3.96mm PITCH) 2P		< RESISTOR >			
CN417	1-779-978-11	PIN, CONNECTOR 3P		JW203	1-259-428-61	CARBON 1K 5% 1/6W	
CN420	1-770-379-11	CONNECTOR, BOARD TO BOARD 6P		< TRANSISTOR >			
CN421	1-770-379-11	CONNECTOR, BOARD TO BOARD 6P		Q401	8-729-141-30	TRANSISTOR 2SC3623A-LK	
CN423	1-785-101-11	PIN, CONNECTOR (3.96mm PITCH) 3P		Q431	8-729-141-30	TRANSISTOR 2SC3623A-LK	
CN432	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P		Q432	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
CN482	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P		Q433	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
CN501	1-770-382-11	CONNECTOR, BOARD TO BOARD 12P		Q434	8-729-119-76	TRANSISTOR 2SA1175-HFE	
CN532	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P		Q451	8-729-141-30	TRANSISTOR 2SC3623A-LK	
CN582	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P		Q481	8-729-141-30	TRANSISTOR 2SC3623A-LK	
CN601	1-770-379-11	CONNECTOR, BOARD TO BOARD 6P		Q482	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
CN632	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P		Q483	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
CN651	1-770-381-11	CONNECTOR, BOARD TO BOARD 10P		Q484	8-729-119-76	TRANSISTOR 2SA1175-HFE	
CN682	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P		Q501	8-729-141-30	TRANSISTOR 2SC3623A-LK	
< DIODE >				Q531	8-729-141-30	TRANSISTOR 2SC3623A-LK	
D411	8-719-991-33	DIODE 1SS133T-77		Q532	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
D431	8-719-991-33	DIODE 1SS133T-77		Q533	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
D461	8-719-991-33	DIODE 1SS133T-77		Q534	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D481	8-719-991-33	DIODE 1SS133T-77		Q551	8-729-141-30	TRANSISTOR 2SC3623A-LK	
D511	8-719-991-33	DIODE 1SS133T-77		Q581	8-729-141-30	TRANSISTOR 2SC3623A-LK	
D531	8-719-991-33	DIODE 1SS133T-77		Q582	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
D561	8-719-991-33	DIODE 1SS133T-77		Q583	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
D581	8-719-991-33	DIODE 1SS133T-77		Q584	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D611	8-719-991-33	DIODE 1SS133T-77		Q601	8-729-141-30	TRANSISTOR 2SC3623A-LK	
D631	8-719-991-33	DIODE 1SS133T-77		Q631	8-729-141-30	TRANSISTOR 2SC3623A-LK	
D661	8-719-991-33	DIODE 1SS133T-77		Q632	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
D681	8-719-991-33	DIODE 1SS133T-77		Q633	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
D711	8-719-991-33	DIODE 1SS133T-77		Q634	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D731	8-719-991-33	DIODE 1SS133T-77		Q651	8-729-141-30	TRANSISTOR 2SC3623A-LK	
D805	8-719-991-33	DIODE 1SS133T-77		Q681	8-729-141-30	TRANSISTOR 2SC3623A-LK	
D807	8-719-991-33	DIODE 1SS133T-77		Q682	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
D808	8-719-991-33	DIODE 1SS133T-77		Q683	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
D810	8-719-991-33	DIODE 1SS133T-77		Q684	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D812	8-719-991-33	DIODE 1SS133T-77		Q701	8-729-141-30	TRANSISTOR 2SC3623A-LK	
D814	8-719-991-33	DIODE 1SS133T-77		Q732	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
D815	8-719-985-88	DIODE HZS6B2LTA		Q751	8-729-141-30	TRANSISTOR 2SC3623A-LK	
D816	8-719-991-33	DIODE 1SS133T-77		Q802	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D817	8-719-991-33	DIODE 1SS133T-77		Q803	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
D818	8-719-991-33	DIODE 1SS133T-77		Q805	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
D819	8-719-991-33	DIODE 1SS133T-77		Q807	8-729-119-79	TRANSISTOR 2SC2785-FEK	
D820	8-719-991-33	DIODE 1SS133T-77		Q808	8-729-119-79	TRANSISTOR 2SC2785-FEK	
D821	8-719-110-56	DIODE RD22ESB1		Q809	8-729-119-79	TRANSISTOR 2SC2785-FEK	
D822	8-719-110-56	DIODE RD22ESB1		Q810	8-729-900-63	TRANSISTOR DTA124ES	
D823	8-719-921-48	DIODE MTZJ-5.6C		Q811	8-729-119-79	TRANSISTOR 2SC2785-FEK	
< IC >				Q813	8-729-900-63	TRANSISTOR DTA124ES	
IC401	6-702-387-01	IC CXD9725M		Q822	8-729-900-36	TRANSISTOR DTC124ES	
IC402	8-759-167-88	IC NJM4565D		Q823	8-729-119-79	TRANSISTOR 2SC2785-FEK	
IC501	6-702-387-01	IC CXD9725M		Q824	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC502	8-759-167-88	IC NJM4565D		Q826	8-729-119-79	TRANSISTOR 2SC2785-FEK	
IC601	6-702-387-01	IC CXD9725M					
IC602	8-759-167-88	IC NJM4565D					

Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark	
< RESISTOR >							R543	1-259-468-61	CARBON	47K	5%	1/6W		
R401	1-259-448-61	CARBON	6.8K	5%	1/6W		R551	1-259-448-61	CARBON	6.8K	5%	1/6W		
R402	1-259-428-61	CARBON	1K	5%	1/6W		R552	1-259-428-61	CARBON	1K	5%	1/6W		
R403	1-259-476-61	CARBON	100K	5%	1/6W		R553	1-259-476-61	CARBON	100K	5%	1/6W		
R404	1-259-428-61	CARBON	1K	5%	1/6W		△ R562	1-249-405-11	CARBON	100	5%	1/4W F		
R405	1-259-436-61	CARBON	2.2K	5%	1/6W		△ R563	1-249-405-11	CARBON	100	5%	1/4W F		
△ R412	1-249-405-11	CARBON	100	5%	1/4W F		△ R564	1-234-572-21	ENCAPSULATED COMPONENT					
△ R413	1-249-405-11	CARBON	100	5%	1/4W F						0.22	5W	F	
△ R414	1-234-572-21	ENCAPSULATED COMPONENT				0.22	5W	F	R565	1-259-468-61	CARBON	47K	5%	1/6W
								R566	1-259-476-61	CARBON	100K	5%	1/6W	
R415	1-259-468-61	CARBON	47K	5%	1/6W		△ R569	1-249-393-11	CARBON	10	5%	1/4W F		
R416	1-259-476-61	CARBON	100K	5%	1/6W		R581	1-259-420-61	CARBON	470	5%	1/6W		
△ R419	1-249-393-11	CARBON	10	5%	1/4W F		R582	1-259-436-61	CARBON	2.2K	5%	1/6W		
R431	1-259-420-61	CARBON	470	5%	1/6W		△ R585	1-240-855-11	CARBON	6.2K	5%	1/4W F		
R432	1-259-436-61	CARBON	2.2K	5%	1/6W		R586	1-259-444-61	CARBON	4.7K	5%	1/6W		
△ R435	1-240-855-11	CARBON	6.2K	5%	1/4W F		R587	1-259-434-61	CARBON	1.8K	5%	1/6W		
R436	1-259-444-61	CARBON	4.7K	5%	1/6W		R588	1-259-472-61	CARBON	68K	5%	1/6W		
							R589	1-259-456-61	CARBON	15K	5%	1/6W		
R437	1-259-434-61	CARBON	1.8K	5%	1/6W		R593	1-259-468-61	CARBON	47K	5%	1/6W		
R438	1-259-472-61	CARBON	68K	5%	1/6W		R601	1-259-448-61	CARBON	6.8K	5%	1/6W		
R439	1-259-456-61	CARBON	15K	5%	1/6W		R602	1-259-428-61	CARBON	1K	5%	1/6W		
R443	1-259-468-61	CARBON	47K	5%	1/6W		R603	1-259-476-61	CARBON	100K	5%	1/6W		
R451	1-259-448-61	CARBON	6.8K	5%	1/6W									
							R604	1-259-428-61	CARBON	1K	5%	1/6W		
R455	1-259-436-61	CARBON	2.2K	5%	1/6W		△ R612	1-249-405-11	CARBON	100	5%	1/4W F		
R457	1-259-428-61	CARBON	1K	5%	1/6W		△ R613	1-249-405-11	CARBON	100	5%	1/4W F		
R458	1-259-476-61	CARBON	100K	5%	1/6W		△ R614	1-234-572-21	ENCAPSULATED COMPONENT					
△ R462	1-249-405-11	CARBON	100	5%	1/4W F						0.22	5W	F	
△ R463	1-249-405-11	CARBON	100	5%	1/4W F									
△ R464	1-234-572-21	ENCAPSULATED COMPONENT				0.22	5W	F	R615	1-259-468-61	CARBON	47K	5%	1/6W
								R616	1-259-476-61	CARBON	100K	5%	1/6W	
R465	1-259-468-61	CARBON	47K	5%	1/6W		△ R619	1-249-393-11	CARBON	10	5%	1/4W F		
R466	1-259-476-61	CARBON	100K	5%	1/6W		R631	1-259-420-61	CARBON	470	5%	1/6W		
△ R469	1-249-393-11	CARBON	10	5%	1/4W F		R632	1-259-436-61	CARBON	2.2K	5%	1/6W		
R481	1-259-420-61	CARBON	470	5%	1/6W		△ R635	1-240-855-11	CARBON	6.2K	5%	1/4W F		
R482	1-259-436-61	CARBON	2.2K	5%	1/6W		R636	1-259-444-61	CARBON	4.7K	5%	1/6W		
△ R485	1-240-855-11	CARBON	6.2K	5%	1/4W F		R637	1-259-434-61	CARBON	1.8K	5%	1/6W		
R486	1-259-444-61	CARBON	4.7K	5%	1/6W		R638	1-259-472-61	CARBON	68K	5%	1/6W		
R487	1-259-434-61	CARBON	1.8K	5%	1/6W		R639	1-259-456-61	CARBON	15K	5%	1/6W		
R488	1-259-472-61	CARBON	68K	5%	1/6W		R643	1-259-468-61	CARBON	47K	5%	1/6W		
R489	1-259-456-61	CARBON	15K	5%	1/6W		R651	1-259-448-61	CARBON	6.8K	5%	1/6W		
R493	1-259-468-61	CARBON	47K	5%	1/6W		R652	1-259-428-61	CARBON	1K	5%	1/6W		
R501	1-259-448-61	CARBON	6.8K	5%	1/6W		R653	1-259-476-61	CARBON	100K	5%	1/6W		
R502	1-259-428-61	CARBON	1K	5%	1/6W		R654	1-259-428-61	CARBON	1K	5%	1/6W		
R503	1-259-476-61	CARBON	100K	5%	1/6W		△ R662	1-249-405-11	CARBON	100	5%	1/4W F		
							△ R663	1-249-405-11	CARBON	100	5%	1/4W F		
R504	1-259-428-61	CARBON	1K	5%	1/6W		△ R664	1-234-572-21	ENCAPSULATED COMPONENT					
△ R512	1-249-405-11	CARBON	100	5%	1/4W F						0.22	5W	F	
△ R513	1-249-405-11	CARBON	100	5%	1/4W F									
△ R514	1-234-572-21	ENCAPSULATED COMPONENT				0.22	5W	F	R665	1-259-468-61	CARBON	47K	5%	1/6W
								R666	1-259-476-61	CARBON	100K	5%	1/6W	
R515	1-259-468-61	CARBON	47K	5%	1/6W		△ R669	1-249-393-11	CARBON	10	5%	1/4W F		
R516	1-259-476-61	CARBON	100K	5%	1/6W		R681	1-259-420-61	CARBON	470	5%	1/6W		
△ R519	1-249-393-11	CARBON	10	5%	1/4W F		R682	1-259-436-61	CARBON	2.2K	5%	1/6W		
R531	1-259-420-61	CARBON	470	5%	1/6W		△ R685	1-240-855-11	CARBON	6.2K	5%	1/4W F		
R532	1-259-436-61	CARBON	2.2K	5%	1/6W		R686	1-259-444-61	CARBON	4.7K	5%	1/6W		
△ R535	1-240-855-11	CARBON	6.2K	5%	1/4W F		R687	1-259-434-61	CARBON	1.8K	5%	1/6W		
R536	1-259-444-61	CARBON	4.7K	5%	1/6W		R688	1-259-472-61	CARBON	68K	5%	1/6W		
R537	1-259-434-61	CARBON	1.8K	5%	1/6W		R689	1-259-456-61	CARBON	15K	5%	1/6W		
R538	1-259-472-61	CARBON	68K	5%	1/6W		R693	1-259-468-61	CARBON	47K	5%	1/6W		
R539	1-259-456-61	CARBON	15K	5%	1/6W		R701	1-259-448-61	CARBON	6.8K	5%	1/6W		

The components identified by mark △ or dotted line with mark △ are critical for safety.
Replace only with part number specified.

STR-DB795

MAIN	PRI	SBL
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Ref. No.	Part No.	Description			Remark
R702	1-259-428-61	CARBON	1K	5%	1/6W
R703	1-259-476-61	CARBON	100K	5%	1/6W
R715	1-259-468-61	CARBON	47K	5%	1/6W
R716	1-259-476-61	CARBON	100K	5%	1/6W
△ R719	1-249-393-11	CARBON	10	5%	1/4W F
R738	1-259-472-61	CARBON	68K	5%	1/6W
R739	1-259-456-61	CARBON	15K	5%	1/6W
R743	1-259-468-61	CARBON	47K	5%	1/6W
R751	1-259-448-61	CARBON	6.8K	5%	1/6W
R752	1-259-428-61	CARBON	1K	5%	1/6W
R753	1-259-476-61	CARBON	100K	5%	1/6W
R782	1-259-476-61	CARBON	100K	5%	1/6W
R802	1-259-428-61	CARBON	1K	5%	1/6W
R805	1-259-452-61	CARBON	10K	5%	1/6W
R806	1-259-460-61	CARBON	22K	5%	1/6W
R807	1-259-452-61	CARBON	10K	5%	1/6W
R811	1-259-452-61	CARBON	10K	5%	1/6W
R812	1-259-436-61	CARBON	2.2K	5%	1/6W
R813	1-259-436-61	CARBON	2.2K	5%	1/6W
R814	1-259-436-61	CARBON	2.2K	5%	1/6W
R815	1-259-452-61	CARBON	10K	5%	1/6W
R816	1-259-452-61	CARBON	10K	5%	1/6W
R817	1-259-452-61	CARBON	10K	5%	1/6W
R818	1-259-452-61	CARBON	10K	5%	1/6W
R820	1-259-436-61	CARBON	2.2K	5%	1/6W
R821	1-259-452-61	CARBON	10K	5%	1/6W
△ R824	1-215-867-00	METAL OXIDE	470	5%	1W F
△ R825	1-215-867-00	METAL OXIDE	470	5%	1W F
R826	1-259-500-61	CARBON	1M	5%	1/6W
R827	1-259-428-61	CARBON	1K	5%	1/6W
R828	1-259-444-61	CARBON	4.7K	5%	1/6W
△ R829	1-249-393-11	CARBON	10	5%	1/4W F
R830	1-259-428-61	CARBON	1K	5%	1/6W
R833	1-259-500-61	CARBON	1M	5%	1/6W
R838	1-259-436-61	CARBON	2.2K	5%	1/6W
R839	1-259-452-61	CARBON	10K	5%	1/6W
△ R841	1-249-399-11	CARBON	33	5%	1/4W F
△ R846	1-249-399-11	CARBON	33	5%	1/4W F
R847	1-259-436-61	CARBON	2.2K	5%	1/6W
R848	1-259-452-61	CARBON	10K	5%	1/6W
△ R849	1-249-393-11	CARBON	10	5%	1/4W F
R850	1-259-452-61	CARBON	10K	5%	1/6W
R851	1-259-448-61	CARBON	6.8K	5%	1/6W
R852	1-259-460-61	CARBON	22K	5%	1/6W
R853	1-259-460-61	CARBON	22K	5%	1/6W
< VARIABLE RESISTOR >					
RV431	1-238-595-11	RES, ADJ, CARBON		220	
RV481	1-238-595-11	RES, ADJ, CARBON		220	
RV531	1-238-595-11	RES, ADJ, CARBON		220	
RV581	1-238-595-11	RES, ADJ, CARBON		220	
RV631	1-238-595-11	RES, ADJ, CARBON		220	
RV681	1-238-595-11	RES, ADJ, CARBON		220	
< RELAY >					
RY806	1-515-920-11	RELAY (24V)			

Ref. No.	Part No.	Description			Remark
RY807	1-755-483-11	RELAY			

	1-689-173-11	PRI BOARD			

< CONNECTOR >					
* CN3	1-565-792-11	PIN, CONNECTOR (3.96mm PITCH) 2P			

	A-1054-419-A	SBL BOARD, COMPLETE			

< CAPACITOR >					
C731	1-112-128-11	CAP, ELECT	47uF		
C732	1-128-813-11	CERAMIC	220PF	5%	50V
C2701	1-137-505-11	FILM	220PF	5%	100V
C2702	1-112-103-11	CAP, ELECT	47uF		
C2704	1-112-122-11	CAP, ELECT	220uF		
C2705	1-112-131-11	CAP, ELECT	330uF		
C2706	1-102-230-00	CERAMIC	4PF	0.25PF	500V
C2707	1-102-233-00	CERAMIC	33PF	10%	500V
C2708	1-137-383-11	MYLAR	220PF	5%	100V
C2807	1-137-389-11	MYLAR	0.0022uF	5%	100V
C2808	1-137-389-11	MYLAR	0.0022uF	5%	100V
< CONNECTOR >					
CN732	1-564-718-11	PIN, CONNECTOR (SMALL TYPE) 2P			
CN2701	1-778-227-41	CONNECTOR, BOARD TO BOARD 6P			
CN2703	1-770-011-41	CONNECTOR, BOARD TO BOARD 4P			
< DIODE >					
D2701	8-719-109-89	DIODE RD5.6ESB2			
< TRANSISTOR >					
Q731	8-729-141-30	TRANSISTOR	2SC3623A-LK		
Q733	8-729-140-82	TRANSISTOR	2SA988-PAFAEA		
Q734	8-729-119-76	TRANSISTOR	2SA1175-HFE		
Q2701	8-729-045-15	TRANSISTOR	2SC5169-FG		
Q2703	8-729-119-78	TRANSISTOR	2SC2785-HFE		
Q2704	8-729-199-22	TRANSISTOR	2SA992-FA		
Q2705	8-729-021-74	TRANSISTOR	2SA949-OY		
Q2706	8-729-021-73	TRANSISTOR	2SC2229-OY		
< RESISTOR >					
△ R712	1-249-405-11	CARBON	100	5%	1/4W F
△ R713	1-249-405-11	CARBON	100	5%	1/4W F
△ R714	1-234-572-21	ENCAPSULATED COMPONENT		0.22	5W F
R731	1-259-420-61	CARBON	470	5%	1/6W
R732	1-259-436-61	CARBON	2.2K	5%	1/6W
△ R735	1-240-855-11	CARBON	6.2K	5%	1/4W F
R736	1-259-444-61	CARBON	4.7K	5%	1/6W
R737	1-259-434-61	CARBON	1.8K	5%	1/6W
R2701	1-259-428-61	CARBON	1K	5%	1/6W
R2702	1-259-470-61	CARBON	56K	5%	1/6W
R2703	1-259-416-61	CARBON	330	5%	1/6W
R2704	1-259-430-61	CARBON	1.2K	5%	1/6W

The components identified by mark △ or dotted line with mark △ are critical for safety.
Replace only with part number specified.

SBL

SEC (1)

SEC (3)

SP-A

SP-B

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R2705	1-259-444-61	CARBON	4.7K	5%	1/6W	D549	8-719-991-33	DIODE 1SS133T-77			
R2706	1-259-430-61	CARBON	1.2K	5%	1/6W			< COIL >			
R2707	1-259-422-61	CARBON	560	5%	1/6W						
R2708	1-259-440-61	CARBON	3.3K	5%	1/6W	L449	1-420-872-52	COIL, AIR-CORE			
R2709	1-249-681-31	CARBON	2.2K	5%	1/4W	L499	1-420-872-52	COIL, AIR-CORE			
R2710	1-249-715-31	CARBON	56K	5%	1/4W	L549	1-420-872-52	COIL, AIR-CORE			
R2711	1-259-476-61	CARBON	100K	5%	1/6W	L599	1-420-872-52	COIL, AIR-CORE			
R2712	1-259-476-61	CARBON	100K	5%	1/6W			< RESISTOR >			
△ R2713	1-249-413-11	CARBON	470	5%	1/4W F	△ R443	1-249-393-11	CARBON	10	5%	1/4W F
△ R2714	1-249-406-11	CARBON	120	5%	1/4W F	△ R444	1-249-393-11	CARBON	10	5%	1/4W F
△ R2715	1-249-406-11	CARBON	120	5%	1/4W F	△ R447	1-249-393-11	CARBON	10	5%	1/4W F
R2716	1-259-464-61	CARBON	33K	5%	1/6W	△ R448	1-249-393-11	CARBON	10	5%	1/4W F
R2719	1-259-408-61	CARBON	150	5%	1/6W	△ R449	1-249-393-11	CARBON	10	5%	1/4W F
< VARIABLE RESISTOR >						△ R493	1-249-393-11	CARBON	10	5%	1/4W F
RV731	1-238-595-11	RES, ADJ, CARBON	220			△ R498	1-249-393-11	CARBON	10	5%	1/4W F
*****						△ R499	1-249-393-11	CARBON	10	5%	1/4W F
	1-689-174-11	SEC (1) BOARD				△ R547	1-249-393-11	CARBON	10	5%	1/4W F
*****						△ R548	1-249-393-11	CARBON	10	5%	1/4W F
< CONNECTOR >						△ R549	1-249-393-11	CARBON	10	5%	1/4W F
CN53	1-691-765-11	PLUG (MICRO CONNECTOR) 3P				△ R598	1-249-393-11	CARBON	10	5%	1/4W F
*****						△ R599	1-249-393-11	CARBON	10	5%	1/4W F
	1-689-176-11	SEC (3) BOARD				< RELAY >					
*****						RY444	1-515-920-11	RELAY (24V)			
< CONNECTOR >						RY449	1-515-920-11	RELAY (24V)			
CN57	1-691-766-11	PLUG (MICRO CONNECTOR) 4P				RY549	1-515-920-11	RELAY (24V)			
CN58	1-691-765-11	PLUG (MICRO CONNECTOR) 3P				< TERMINAL >					
*****						TM449	1-780-033-21	TERMINAL BOARD (SP) (8P)	(SPEAKERS IMPEDANCE USE 4-16Ω FRONT B, SURR)		
	1-863-052-11	SP-A BOARD				TM699	1-694-933-21	TERMINAL BOARD (SP) (4P)	(SPEAKERS IMPEDANCE USE 4-16Ω FRONT A)		
*****						*****					
< CAPACITOR >						1-863-053-11	SP-B BOARD	*****			
C443	1-127-876-11	CERAMIC	0.01uF	10%	50V	< CAPACITOR >					
C444	1-128-817-11	CERAMIC	470PF	5%	50V	C210	1-127-868-11	CERAMIC	2200PF	10%	50V
C448	1-128-817-11	CERAMIC	470PF	5%	50V	C494	1-128-817-11	CERAMIC	470PF	5%	50V
C449	1-127-876-11	CERAMIC	0.01uF	10%	50V	C648	1-128-817-11	CERAMIC	470PF	5%	50V
C493	1-127-876-11	CERAMIC	0.01uF	10%	50V	C649	1-127-876-11	CERAMIC	0.01uF	10%	50V
C498	1-128-817-11	CERAMIC	470PF	5%	50V	C699	1-127-876-11	CERAMIC	0.01uF	10%	50V
C499	1-127-876-11	CERAMIC	0.01uF	10%	50V	C748	1-128-817-11	CERAMIC	470PF	5%	50V
C548	1-128-817-11	CERAMIC	470PF	5%	50V	C749	1-127-876-11	CERAMIC	0.01uF	10%	50V
C549	1-127-876-11	CERAMIC	0.01uF	10%	50V	< CONNECTOR >					
C598	1-128-817-11	CERAMIC	470PF	5%	50V	CN443	1-770-011-41	CONNECTOR, BOARD TO BOARD 4P			
C599	1-127-876-11	CERAMIC	0.01uF	10%	50V	CN444	1-770-726-11	CONNECTOR, BOARD TO BOARD 6P			
C698	1-128-817-11	CERAMIC	470PF	5%	50V	CN451	1-770-011-41	CONNECTOR, BOARD TO BOARD 4P			
< CONNECTOR >						< DIODE >					
CN447	1-770-011-41	CONNECTOR, BOARD TO BOARD 4P				D649	8-719-991-33	DIODE 1SS133T-77			
CN448	1-770-011-41	CONNECTOR, BOARD TO BOARD 4P				D699	8-719-991-33	DIODE 1SS133T-77			
* CN449	1-770-727-11	CONNECTOR, BOARD TO BOARD 8P				< JACK >					
CN450	1-770-011-41	CONNECTOR, BOARD TO BOARD 4P				J203	1-770-377-31	JACK, PIN 1P (SUB WOOFER AUDIO OUT)			
< DIODE >											
D444	8-719-991-33	DIODE 1SS133T-77									
D449	8-719-991-33	DIODE 1SS133T-77									

The components identified by mark △ or dotted line with mark △ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description	Remark			
< COIL >						
L649	1-420-872-52	COIL, AIR-CORE				
L699	1-420-872-52	COIL, AIR-CORE				
L749	1-420-872-52	COIL, AIR-CORE				
< RESISTOR >						
R209	1-249-417-11	CARBON	1K	5%	1/4W	
△ R647	1-249-393-11	CARBON	10	5%	1/4W F	
△ R648	1-249-393-11	CARBON	10	5%	1/4W F	
△ R649	1-249-393-11	CARBON	10	5%	1/4W F	
△ R697	1-249-393-11	CARBON	10	5%	1/4W F	
△ R698	1-249-393-11	CARBON	10	5%	1/4W F	
△ R699	1-249-393-11	CARBON	10	5%	1/4W F	
△ R748	1-249-393-11	CARBON	10	5%	1/4W F	
△ R749	1-249-393-11	CARBON	10	5%	1/4W F	
< RELAY >						
RY649	1-515-920-11	RELAY (24V)				
RY699	1-515-920-11	RELAY (24V)				
< TERMINAL >						
TM444	1-780-038-11	TERMINAL BOARD (SP) (6P) (SPEAKERS IMPEDANCE USE 4-16Ω CENTER, SURR BACK)				

	1-863-054-11	STAY 3 BOARD				

< CONNECTOR >						
CN2706	1-770-010-21	CONNECTOR, BOARD TO BOARD 4P				
CN2707	1-770-010-21	CONNECTOR, BOARD TO BOARD 4P				

	1-863-050-11	STAY 4 BOARD				

< CONNECTOR >						
CN452	1-770-011-21	CONNECTOR, BOARD TO BOARD 4P				
CN453	1-770-011-21	CONNECTOR, BOARD TO BOARD 4P				

	A-1054-327-A	S-VIDEO BOARD, COMPLETE				

< CAPACITOR >						
C850	1-128-805-11	CERAMIC	47PF	5%	50V	
C851	1-128-805-11	CERAMIC	47PF	5%	50V	
C852	1-128-805-11	CERAMIC	47PF	5%	50V	
C853	1-128-805-11	CERAMIC	47PF	5%	50V	
C854	1-128-825-11	CERAMIC	2200PF	5%	50V	
C855	1-136-165-00	MYLAR	0.1uF	5%	50V	
C856	1-136-165-00	MYLAR	0.1uF	5%	50V	
C857	1-136-165-00	MYLAR	0.1uF	5%	50V	
C858	1-112-143-11	CAP, ELECT	10uF			
C859	1-112-143-11	CAP, ELECT	10uF			
C860	1-112-143-11	CAP, ELECT	10uF			
C861	1-128-825-11	CERAMIC	2200PF	5%	50V	
C862	1-128-825-11	CERAMIC	2200PF	5%	50V	

Ref. No.	Part No.	Description	Remark			
C863	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C864	1-136-165-00	MYLAR	0.1uF	5%	50V	
C867	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C869	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C870	1-112-143-11	CAP, ELECT	10uF			
C871	1-126-786-11	ELECT	47uF	20%	16V	
C872	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C873	1-126-786-11	ELECT	47uF	20%	16V	
C877	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C878	1-112-115-11	CAP, ELECT	1000uF			
C879	1-112-140-11	CAP, ELECT	1uF			
C890	1-112-121-11	CAP, ELECT	100uF			
C2376	1-127-888-11	CERAMIC	0.1uF	10%	50V	
< CONNECTOR >						
CN851	1-766-719-41	CONNECTOR, BOARD TO BOARD 10P				
* CN853	1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P				
CN854	1-573-825-11	CONNECTOR, BOARD TO BOARD 11P				
CN1111	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P				
< DIODE >						
D850	8-719-991-33	DIODE 1SS133T-77				
D851	8-719-991-33	DIODE 1SS133T-77				
D852	8-719-991-33	DIODE 1SS133T-77				
D853	8-719-991-33	DIODE 1SS133T-77				
< IC >						
IC850	6-701-890-01	IC NJM2595D				
IC851	6-701-890-01	IC NJM2595D				
IC852	8-759-822-05	IC LA7213				
< JACK >						
J850	1-794-937-11	CONNECTOR (DIN) 2P (VIDEO S-VIDEO DVD IN, TV/SAT IN)				
J851	1-537-943-11	CONNECTOR (DIN) 1P (VIDEO S-VIDEO MONITOR OUT)				
J852	1-794-937-11	CONNECTOR (DIN) 2P (VIDEO S-VIDEO VIDEO 1 IN/OUT)				
J2305	1-563-330-31	JACK (CONTROL A1 II)				
< TRANSISTOR >						
Q850	8-729-030-02	TRANSISTOR DTC144ESA				
Q851	8-729-201-53	TRANSISTOR 2SA1015-GR				
< RESISTOR >						
R854	1-247-804-11	CARBON	75	5%	1/4W	
R855	1-247-804-11	CARBON	75	5%	1/4W	
R856	1-247-804-11	CARBON	75	5%	1/4W	
R857	1-247-804-11	CARBON	75	5%	1/4W	
R858	1-247-804-11	CARBON	75	5%	1/4W	
R859	1-247-804-11	CARBON	75	5%	1/4W	
R860	1-247-804-11	CARBON	75	5%	1/4W	
R861	1-247-804-11	CARBON	75	5%	1/4W	
R862	1-247-804-11	CARBON	75	5%	1/4W	
R863	1-247-804-11	CARBON	75	5%	1/4W	
R864	1-247-883-00	CARBON	150K	5%	1/4W	
R865	1-249-411-11	CARBON	330	5%	1/4W	
R866	1-249-421-11	CARBON	2.2K	5%	1/4W	

The components identified by mark △ or dotted line with mark △ are critical for safety.
Replace only with part number specified.

S-VIDEO

VIDEO

VIDEO-AU

VOL

Ref. No.	Part No.	Description	Remark		
R867	1-249-429-11	CARBON	10K	5%	1/4W
< RELAY >					
RY850	1-755-359-11	RELAY			

	1-688-645-11	VIDEO BOARD			

< CAPACITOR >					
C301	1-128-805-11	CERAMIC	47PF	5%	50V
C302	1-127-868-11	CERAMIC	2200PF	10%	50V
C303	1-112-143-11	CAP, ELECT	10uF		
C304	1-127-868-11	CERAMIC	2200PF	10%	50V
C305	1-128-805-11	CERAMIC	47PF	5%	50V
C306	1-112-143-11	CAP, ELECT	10uF		
C307	1-128-805-11	CERAMIC	47PF	5%	50V
C308	1-127-868-11	CERAMIC	2200PF	10%	50V
C309	1-112-143-11	CAP, ELECT	10uF		
C310	1-112-143-11	CAP, ELECT	10uF		
C311	1-127-888-11	CERAMIC	0.1uF	10%	50V
C313	1-112-143-11	CAP, ELECT	10uF		
C315	1-127-888-11	CERAMIC	0.1uF	10%	50V
< CONNECTOR >					
CN301	1-766-719-41	CONNECTOR, BOARD TO BOARD 10P			
< DIODE >					
D301	8-719-991-33	DIODE 1SS133T-77			
D302	8-719-991-33	DIODE 1SS133T-77			
< IC >					
IC301	6-701-890-01	IC NJM2595D			
< JACK >					
J302	1-794-970-11	JACK, PIN 1P (VIDEO MONITOR OUT)			
J304	1-794-978-11	JACK, PIN 3P			
		(VIDEO VIDEO 1 IN/OUT, VIDEO 2 IN)			
J305	1-794-978-11	JACK, PIN 3P			
		(VIDEO VIDEO 2 OUT, DVD IN, TV/SAT IN)			
< RESISTOR >					
R301	1-247-804-11	CARBON	75	5%	1/4W
R302	1-247-804-11	CARBON	75	5%	1/4W
R303	1-247-804-11	CARBON	75	5%	1/4W
R304	1-247-804-11	CARBON	75	5%	1/4W
R305	1-247-804-11	CARBON	75	5%	1/4W
R306	1-247-804-11	CARBON	75	5%	1/4W
R307	1-247-804-11	CARBON	75	5%	1/4W

VIDEO-AU BOARD					

< CAPACITOR >					
C201	1-127-868-11	CERAMIC	2200PF	10%	50V
C211	1-127-880-11	CERAMIC	0.022uF	10%	50V
C212	1-127-880-11	CERAMIC	0.022uF	10%	50V

Ref. No.	Part No.	Description	Remark		
C213	1-128-809-11	CERAMIC	100PF	5%	50V
C214	1-127-876-11	CERAMIC	0.01uF	10%	50V
C215	1-127-868-11	CERAMIC	2200PF	10%	50V
< CONNECTOR >					
CN201	1-766-719-41	CONNECTOR, BOARD TO BOARD 10P			
* CN202	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P			
< IC >					
IC201	8-759-582-65	IC TC9273N-014			
< JACK >					
J201	1-774-411-11	JACK, PIN 6P (VIDEO AUDIO VIDEO 2 OUT, DVD IN, TV/SAT IN)			
J202	1-774-411-11	JACK, PIN 6P (VIDEO AUDIO VIDEO 1 IN/OUT, VIDEO 2 IN)			
< RESISTOR >					
JW201	1-259-428-61	CARBON	1K	5%	1/6W
JW217	1-259-428-61	CARBON	1K	5%	1/6W
R201	1-259-428-61	CARBON	1K	5%	1/6W
R202	1-259-428-61	CARBON	1K	5%	1/6W
R203	1-259-436-61	CARBON	2.2K	5%	1/6W
R204	1-259-428-61	CARBON	1K	5%	1/6W
R205	1-259-436-61	CARBON	2.2K	5%	1/6W
R206	1-259-428-61	CARBON	1K	5%	1/6W
△ R207	1-249-399-11	CARBON	33	5%	1/4W F
△ R208	1-249-399-11	CARBON	33	5%	1/4W F
R211	1-259-428-61	CARBON	1K	5%	1/6W
R251	1-259-428-61	CARBON	1K	5%	1/6W
R252	1-259-428-61	CARBON	1K	5%	1/6W
R253	1-259-436-61	CARBON	2.2K	5%	1/6W
R254	1-259-428-61	CARBON	1K	5%	1/6W
R255	1-259-436-61	CARBON	2.2K	5%	1/6W
R256	1-259-428-61	CARBON	1K	5%	1/6W

VOL BOARD					

< CONNECTOR >					
CN1060	1-779-978-11	PIN, CONNECTOR 3P			
< ROTALY ENCODER >					
RV1060	1-418-725-41	ENCODER, ROTARY (MASTER VOLUME)			

MISCELLANEOUS					

△ 53	1-696-847-22	CORD, POWER (AUS)			
△ 53	1-769-079-23	CORD, POWER (KR)			
△ 53	1-777-071-23	CORD, POWER (SP, MY)			
△ 53	1-827-597-41	CORD, POWER (TW)			
△ 53	1-829-626-11	CORD, POWER (AEP, UK)			
108	1-769-938-11	WIRE (FLAT TYPE) (11 CORE) (SP, MY, TW, KR, AUS)			
108	1-773-002-11	WIRE (FLAT TYPE) (15 CORE) (AEP, UK)			

The components identified by mark △ or dotted line with mark △ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
354	1-773-339-11	WIRE (FLAT TYPE) (31 CORE)		2-148-932-31	INSTRUCTION MANUAL (DB795 EXT)		
⚠ F1	1-532-504-51	FUSE (T4AL/250V) (EXCEPT TW)			(RUSSIAN) (AEP)		
⚠ F1	1-533-312-11	FUSE, GLASS CYLINDRICAL (DIA.5)					
		(10A/125V) (TW)					
⚠ F903	1-532-465-32	FUSE (T3.15AL/250V)					
⚠ F904	1-532-465-32	FUSE (T3.15AL/250V)					
⚠ F905	1-533-312-11	FUSE, GLASS CYLINDRICAL (DIA.5)					
		(10A/125V) (SP, MY)					
⚠ F906	1-533-312-11	FUSE, GLASS CYLINDRICAL (DIA.5)					
		(10A/125V) (SP, MY)					
IC952	8-759-231-53	IC TA7805S					
IC953	8-759-231-53	IC TA7805S					
IC954	8-759-245-87	IC TA79015S					
IC955	8-759-231-59	IC TA7815S					
Q402	6-702-390-01	TRANSISTOR MN2488-OPY-MK					
Q403	6-702-391-01	TRANSISTOR MP1620-OPY-MK					
Q452	6-702-390-01	TRANSISTOR MN2488-OPY-MK					
Q453	6-702-391-01	TRANSISTOR MP1620-OPY-MK					
Q502	6-702-390-01	TRANSISTOR MN2488-OPY-MK					
Q503	6-702-391-01	TRANSISTOR MP1620-OPY-MK					
Q552	6-702-390-01	TRANSISTOR MN2488-OPY-MK					
Q553	6-702-391-01	TRANSISTOR MP1620-OPY-MK					
Q602	6-702-390-01	TRANSISTOR MN2488-OPY-MK					
Q603	6-702-391-01	TRANSISTOR MP1620-OPY-MK					
Q652	6-702-390-01	TRANSISTOR MN2488-OPY-MK					
Q653	6-702-391-01	TRANSISTOR MP1620-OPY-MK					
Q702	6-702-390-01	TRANSISTOR MN2488-OPY-MK					
Q703	6-702-391-01	TRANSISTOR MP1620-OPY-MK					
⚠ T901	1-443-436-11	POWER TRANSFORMER (TW)					
⚠ T901	1-443-437-11	POWER TRANSFORMER (SP, MY)					
⚠ T901	1-443-438-11	POWER TRANSFORMER (AEP, UK, KR, AUS)					
TU301	1-693-578-21	TUNER (AEP, UK)					
TU301	1-693-580-24	TUNER (SP, MY, TW, KR, AUS)					

ACCESSORIES							

⚠	1-478-633-11	COMMANDER, STANDARD (RM-PP413)					
	1-501-374-12	ANTENNA, LOOP (AM)					
	1-501-807-12	ANTENNA (FM)					
	1-770-019-51	ADAPTOR, CONVERSION PLUG (UK)					
	3-071-119-01	COVER, BATTERY (for RM-PP413)					
	2-148-931-11	INSTRUCTION MANUAL (DB795) (ENGLISH)					
		(AEP, UK, SP, MY, AUS)					
	2-148-931-21	INSTRUCTION MANUAL (DB795) (FRENCH)					
		(AEP, SP, MY)					
	2-148-931-31	INSTRUCTION MANUAL (DB795) (SPANISH)					
		(AEP, SP, MY)					
	2-148-931-41	INSTRUCTION MANUAL (DB795)					
		(GERMAN, DUTCH, SWEDISH) (AEP)					
	2-148-931-51	INSTRUCTION MANUAL (DB795)					
		(ITALIAN, POLISH) (AEP)					
	2-148-931-61	INSTRUCTION MANUAL (DB795)					
		(TRADITIONAL CHINESE) (SP, MY, TW)					
	2-148-931-71	INSTRUCTION MANUAL (DB795) (KOREAN)					
		(KR)					
	2-148-932-11	INSTRUCTION MANUAL (DB795 EXT)					
		(DANISH, FINNISH) (AEP)					
	2-148-932-21	INSTRUCTION MANUAL (DB795 EXT)					
		(PORTUGUESE) (AEP)					

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

MEMO

REVISION HISTORY

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